

# 1987

## Census of Agriculture

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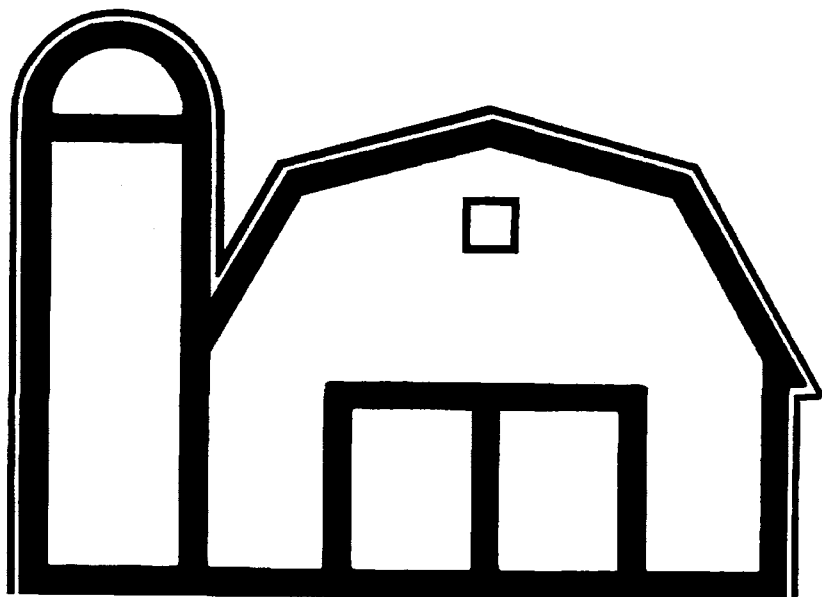
Volume 1  
GEOGRAPHIC AREA SERIES

Part 21

# Massachusetts

State and County Data

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U.S. Department of Commerce  
BUREAU OF THE CENSUS

# ACKNOWLEDGMENTS

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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.

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# 1987

## Census of Agriculture

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AC87-A-21

GEOGRAPHIC AREA SERIES

Part 21

# Massachusetts

## State and County Data

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Issued March 1989



**U.S. Department of Commerce**  
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**Robert Ortner, Under Secretary**  
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# CONTENTS

	Page
Introduction .....	VII
Highlights of the State's Agriculture: 1987 and 1982 .....	1

## FIGURES

1. State Map .....	2
2. Profile of State's Agriculture: 1987 .....	3
3. Percent of Farms and of Value of Products Sold: 1987 .....	4
4. Farms by Value of Agricultural Products Sold: 1959 to 1987 .....	4
5. Land Use: 1987 .....	5
6. Selected Crops Harvested: 1987 .....	5
7. Value of Livestock and Poultry Sold: 1987 .....	6
8. Production Expenses: 1987 .....	6

## TABLES

### CHAPTER 1. State Data

1. Historical Highlights: 1987 and Earlier Census Years .....	7
2. Market Value of Agricultural Products Sold: 1987, 1982, and 1978 .....	9
3. Farm Production Expenses: 1987, 1982, and 1978 .....	10
4. Net Cash Return From Agricultural Sales: 1987 .....	12
5. Government Payments and Other Farm-Related Income: 1987 and 1982 .....	13
6. Commodity Credit Corporation Loans: 1987 and 1982 .....	14
7. Land Use and Acres Diverted: 1987, 1982, and 1978 .....	15
8. Land in Farms, Harvested Cropland, and Irrigated Land, by Size of Farm: 1987 and 1982 .....	16
9. Irrigation: 1987, 1982, and 1978 .....	16
10. Selected Characteristics of Irrigated and Nonirrigated Farms: 1987 and 1982 .....	17
11. Value of Land and Buildings: 1987, 1982, and 1978 .....	18
12. Value of Machinery and Equipment on Place: 1987 and 1982 .....	18
13. Selected Machinery and Equipment on Place: 1987 and 1982 .....	18
14. Petroleum Products Expenses: 1987, 1982, and 1978 .....	19
15. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987, 1982, and 1978 .....	19
16. Tenure and Characteristics of Operator and Type of Organization for All Farms and Farms Operated by Black and Other Races: 1987, 1982, and 1978 .....	20
17. Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1987 and 1982 .....	21
18. Selected Characteristics of Farms by Standard Industrial Classification: 1987 .....	23
19. Selected Characteristics of Abnormal Farms: 1987 and 1982 .....	24
20. Livestock and Poultry—Inventory and Sales: 1987, 1982, and 1978 .....	25
21. Poultry—Inventory and Sales: 1987 and 1982 .....	25
22. Broilers and Started Pullets—Sales: 1987 and 1982 .....	26
23. Poultry—Inventory and Sales by Size of Flock: 1987 .....	26
24. Turkeys—Sales by Number Sold Per Farm: 1987 .....	27
25. Cattle and Calves—Inventory: 1987 and 1982 .....	27
26. Cattle and Calves—Sales: 1987 and 1982 .....	28
27. Cattle and Calves—Inventory and Sales by Size of Herd: 1987 .....	28
28. Cattle and Calves—Inventory and Sales by Size of Cow Herd: 1987 .....	29
29. Cattle and Calves—Inventory and Sales by Size of Beef Cow Herd: 1987 .....	29
30. Cattle and Calves—Inventory and Sales by Size of Milk Cow Herd: 1987 .....	30
31. Cattle and Calves—Sales by Number Sold Per Farm: 1987 .....	30
32. Hogs and Pigs—Inventory: 1987 and 1982 .....	30
33. Hogs and Pigs—Sales: 1987 and 1982 .....	31

	Page
34. Hogs and Pigs—Litters Farrowed: 1987 and 1982 .....	31
35. Hogs and Pigs—Inventory and Sales by Size of Herd: 1987 .....	31
36. Hogs and Pigs—Inventory and Sales by Number Sold Per Farm: 1987 .....	32
37. Hogs and Pigs—Inventory, Sales, and Litters by Total Farrowed: 1987 .....	32
38. Sheep and Lambs—Inventory and Sales: 1987 and 1982 .....	32
39. Sheep and Lambs—Inventory and Sales by Size of Flock: 1987 .....	33
40. Sheep and Lambs—Inventory and Sales by Size of Ewe Flock: 1987 .....	33
41. Other Livestock and Livestock Products—Inventory and Sales: 1987 and 1982 .....	34
42. Crops Harvested and Value of Production: 1987 and 1982 .....	35
43. Specified Crops Harvested—Yield Per Acre Irrigated and Nonirrigated: 1987 .....	35
44. Specified Crops by Acres Harvested: 1987 and 1982 .....	36
45. Specified Fruits and Nuts by Acres: 1987 and 1982 .....	37
46. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale by Value of Sales: 1987 and 1982 .....	37
47. Farms by Concentration of Market Value of Agricultural Products Sold: 1987 .....	38
48. Summary by Tenure of Operator: 1987 .....	40
49. Summary by Type of Organization: 1987 .....	49
50. Summary by Age and Principal Occupation of Operator: 1987 .....	58
51. Summary by Size of Farm: 1987 .....	76
52. Summary by Value of Agricultural Products Sold: 1987 .....	94
53. Summary by Standard Industrial Classification of Farm: 1987 .....	112

## CHAPTER 2. County Data

1. County Summary Highlights: 1987 .....	130
2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982 .....	132
3. Farm Production Expenses: 1987 and 1982 .....	136
4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982 .....	138
5. Farms, Land in Farms, and Land Use: 1987 and 1982 .....	140
6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982 .....	144
7. Irrigation: 1987 and 1982 .....	146
8. Machinery and Equipment on Place: 1987 and 1982 .....	148
9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982 .....	150
10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982 .....	151
11. Cattle and Calves—Inventory and Sales: 1987 and 1982 .....	155
12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982 .....	159
13. Sheep and Horses—Inventory and Sales: 1987 and 1982 .....	161
14. Poultry—Inventory and Sales: 1987 and 1982 .....	162
15. Selected Crops: 1987 and 1982 .....	164
16. Farms With Sales of \$10,000 or More: 1987 and 1982 .....	166
17. Milk Goats—Inventory and Sales: 1987 and 1982 .....	175
18. Angora Goats—Inventory and Sales: 1987 and 1982 .....	175
19. Mink and Their Pelts—Inventory and Sales: 1987 and 1982 .....	175
20. Colonies of Bees and Honey—Inventory and Sales: 1987 and 1982 .....	176
21. Fish Sales: 1987 and 1982 .....	*
22. Miscellaneous Poultry—Inventory and Sales: 1987 and 1982 .....	176
23. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1987 and 1982 .....	177
24. Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982 .....	178
25. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1987 and 1982 .....	179
26. Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982 .....	180
27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982 .....	182
28. Fruits and Nuts: 1987 and 1982 .....	189
29. Berries Harvested for Sale: 1987 and 1982 .....	191
30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982 .....	193
31. Other Crops: 1987 and 1982 .....	196
32. Farms Operated by Black and Other Races by Value of Sales and Occupation: 1987 and 1982 .....	196
33. Farms Operated by Black and Other Races by Tenure: 1987 and 1982 .....	196
34. Operators by Selected Racial Groups: 1987 and 1982 .....	197
35. Operators of Spanish Origin: 1987 and 1982 .....	197
36. Farms With Grazing Permits: 1987 .....	198

**APPENDIXES**

A.	General Explanation .....	A-1
B.	Places With All Cropland in the Conservation Reserve Program .....	B-1
C.	Statistical Methodology .....	C-1
D.	Report Form and Information Sheet .....	D-1

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Index .....	Index 1
Publication Program .....	Inside back cover

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# INTRODUCTION

	Page
HISTORY .....	VII
USES OF THE CENSUS .....	VII
AUTHORITY AND AREA COVERED .....	VII
FARM DEFINITION .....	VII
COMPARABILITY OF DATA .....	VII
TABULAR PRESENTATION .....	VII
ADVANCE REPORTS .....	VIII
ELECTRONIC DATA DISSEMINATION .....	VIII
SPECIAL TABULATIONS .....	VIII
CENSUS DISCLOSURE RULES .....	VIII
INVENTORIES, PRODUCTION, AND SALES DATA .....	VIII
ABBREVIATIONS AND SYMBOLS .....	VIII

## HISTORY

The 1987 Census of Agriculture is the 23d 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 so that it coincided with the economic censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. This adjustment in timing established the agriculture census on a 5-year cycle collecting data for years ending in 2 and 7.

## USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agricultural production and the only source of consistent, comparable data 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 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 agricultural 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 a census be taken in 1979, 1983, and in every

fifth year after 1983 covering the prior year. The 1987 census includes each State, Puerto Rico, Guam, and the Virgin Island of the United States. A census of agriculture will be conducted in American Samoa and the Commonwealth of the Northern Mariana Islands in conjunction with the 1990 Census of Population and Housing.

## FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes first were established, the farm definition has been changed nine times. The current definition, first used for the 1974 census, is any place from which \$1,000 or more of agricultural products were produced and sold or normally would have been sold during the census year. The farm definition used for the outlying areas varies according to area. The report for each area includes a discussion of the farm definition.

## COMPARABILITY OF DATA

Data on acreages and inventories for 1987 and 1982 are generally comparable. Dollar figures shown for expenses and agricultural product sales are expressed in current dollars and have not been adjusted for inflation or deflation. In general, data for censuses since 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition.

The 1978 U.S., region, and State data shown in the 1978 Census of Agriculture publications included data for farms on the mail list plus estimates from an area sample for farms not on the mail list. For comparability, the 1978 data in the 1987 publications include only farms on the mail list.

## TABULAR PRESENTATION

**State data**—Tables 1 through 47 in chapter 1 show detailed State-level data usually accompanied by historical data for one or more past censuses. Tables 48 through 53 provide 1987 State data cross-tabulated by various farm classifications.

**County data**—Chapter 2 presents selected data items by county. Tables 1 through 16 include general data for all counties. The counties are listed in alphabetical order in the column headings. Tables 17 through 36 include only

counties reporting the data item. Counties not having the item, or with a limited number of farms reporting the item, have data combined and presented as "all other counties."

## ADVANCE REPORTS

Advance reports of 1987 census data have been published separately for each county with 10 farms or more, each State, and the United States. This series provided, at the earliest possible date, final data on major data items together with comparable final data from the 1982 census. Data items are standard across States except information on selected crops harvested, which vary by State according to their relative importance in the State.

## ELECTRONIC DATA DISSEMINATION

The volume 1 data are available on computer tapes and compact disc. The advance report data are available on computer tapes, computer diskettes, and through electronic data services such as the AGRIDATA network, the CENDATA package on Dialog, CompuServe on-line services, and the Census Bureau's State Data Center Bulletin Board. Computer tapes, diskettes, and compact discs are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233 (telephone (301) 763-4100).

## SPECIAL TABULATIONS

Custom designed tabulations can be developed to individual user specifications on a programming cost reimbursable basis. Inquiries about special 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, such as size of farm, is not considered a release of confidential information and is provided even though other information is withheld.

## INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are measured 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.
- (IC) Independent city.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate (associated relative standard error) or a consistency review.
- (X) Not applicable.
- (Z) Less than half of the unit shown.
- cwt Hundredweight.
- sq ft Square feet.

# Highlights of the State's Agriculture: 1987 and 1982

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

Item	All farms		
	1987	1982	Percent change from 1982 to 1987
Farms.....number..	6 216	5 401	15.1
Land in farms.....acres..	615 185	612 819	.4
Average size of farm.....acres..	99	113	-12.4
Value of land and buildings <sup>1</sup> :			
Average per farm.....dollars..	346 530	205 677	68.5
Average per acre.....dollars..	3 553	1 963	81.0
Farms by size:			
1 to 9 acres.....	1 105	920	20.1
10 to 49 acres.....	2 125	1 652	28.6
50 to 179 acres.....	2 016	1 814	11.1
180 to 499 acres.....	813	856	-5.0
500 to 999 acres.....	126	130	-3.1
1,000 to 1,999 acres.....	26	21	23.8
2,000 acres or more.....	5	8	-37.5
Harvested cropland.....farms..	5 084	4 608	10.3
Irrigated land.....acres..	194 874	197 769	-1.5
.....farms..	1 316	1 000	31.6
.....acres..	20 158	17 331	16.3
Market value of agricultural products sold.....\$1,000..	340 464	281 436	21.0
Average per farm.....dollars..	54 772	52 108	5.1
Crops, including nursery and greenhouse crops.....\$1,000..	215 855	139 428	54.8
Grains.....\$1,000..	785	836	-6.2
Cotton and cottonseed.....\$1,000..	-	-	-
Tobacco.....\$1,000..	4 587	2 494	83.9
Hay, silage, and field seeds.....\$1,000..	7 803	5 624	38.7
Vegetables, sweet corn, and melons.....\$1,000..	25 179	19 199	31.1
Fruits, nuts, and berries.....\$1,000..	92 349	60 925	51.6
Nursery and greenhouse crops.....\$1,000..	80 867	46 465	74.0
Other crops.....\$1,000..	4 285	3 884	10.3
Livestock, poultry, and their products.....\$1,000..	124 609	142 008	-12.3
Poultry and poultry products.....\$1,000..	23 149	25 456	-9.1
Dairy products.....\$1,000..	63 309	80 840	-21.7
Cattle and calves.....\$1,000..	11 297	12 212	-7.5
Hogs and pigs.....\$1,000..	4 220	4 497	-6.1
Sheep, lambs, and wool.....\$1,000..	884	445	98.8
Other livestock and livestock products (see text).....\$1,000..	21 749	18 559	17.2
Farms by type of organization:			
Individual or family (sole proprietorship).....	5 124	4 541	12.8
Partnership.....	481	377	27.6
Corporation.....	544	413	31.7
Other—cooperative, estate or trust, institutional, etc. ....	67	70	-4.3
Operators by principal occupation:			
Farming.....	3 174	2 941	7.9
Other.....	3 042	2 460	23.7
Operators by days worked off farm:			
Any.....	3 516	2 897	21.4
200 days or more.....	2 283	1 838	24.2
Average age of operator.....years..	52.6	51.5	2.1
Total farm production expenses <sup>1</sup> .....farms..	6 216	(NA)	(NA)
.....\$1,000..	251 496	(NA)	(NA)
Selected farm production expenses <sup>1</sup> :			
Livestock and poultry purchased.....\$1,000..	11 441	11 468	-2
Feed for livestock and poultry.....\$1,000..	33 525	47 203	-29.0
Commercial fertilizer <sup>2</sup> .....\$1,000..	8 953	7 155	25.1
Agricultural chemicals <sup>2</sup> .....\$1,000..	7 319	4 885	49.8
Petroleum products.....\$1,000..	12 042	16 641	-27.6
Hired farm labor.....\$1,000..	66 579	43 109	54.4
Interest expense <sup>3</sup> .....\$1,000..	13 788	10 141	36.0
Livestock and poultry inventory:			
Cattle and calves.....farms..	2 112	2 311	-8.6
.....number..	83 065	102 366	-18.9
Milk cows.....farms..	838	1 111	-24.6
.....number..	36 913	49 891	-26.0
Hogs and pigs.....farms..	498	619	-19.5
.....number..	25 816	39 570	-34.8
Chickens 3 months old or older.....farms..	738	727	1.5
.....number..	1 502 202	1 276 406	17.7
Selected crops harvested:			
Corn for grain or seed.....farms..	152	165	-7.9
.....acres..	5 681	6 077	-6.5
Corn for silage or green chop.....farms..	604	886	-31.8
.....acres..	28 643	37 553	-23.7
Irish potatoes.....farms..	93	136	-31.6
.....acres..	2 628	3 759	-30.1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms..	2 874	2 663	7.9
.....acres..	121 498	116 729	4.1
Vegetables harvested for sale (see text).....farms..	1 008	1 011	-3
.....acres..	16 325	15 307	6.7
Land in orchards.....farms..	572	489	17.0
.....acres..	9 379	9 332	.5

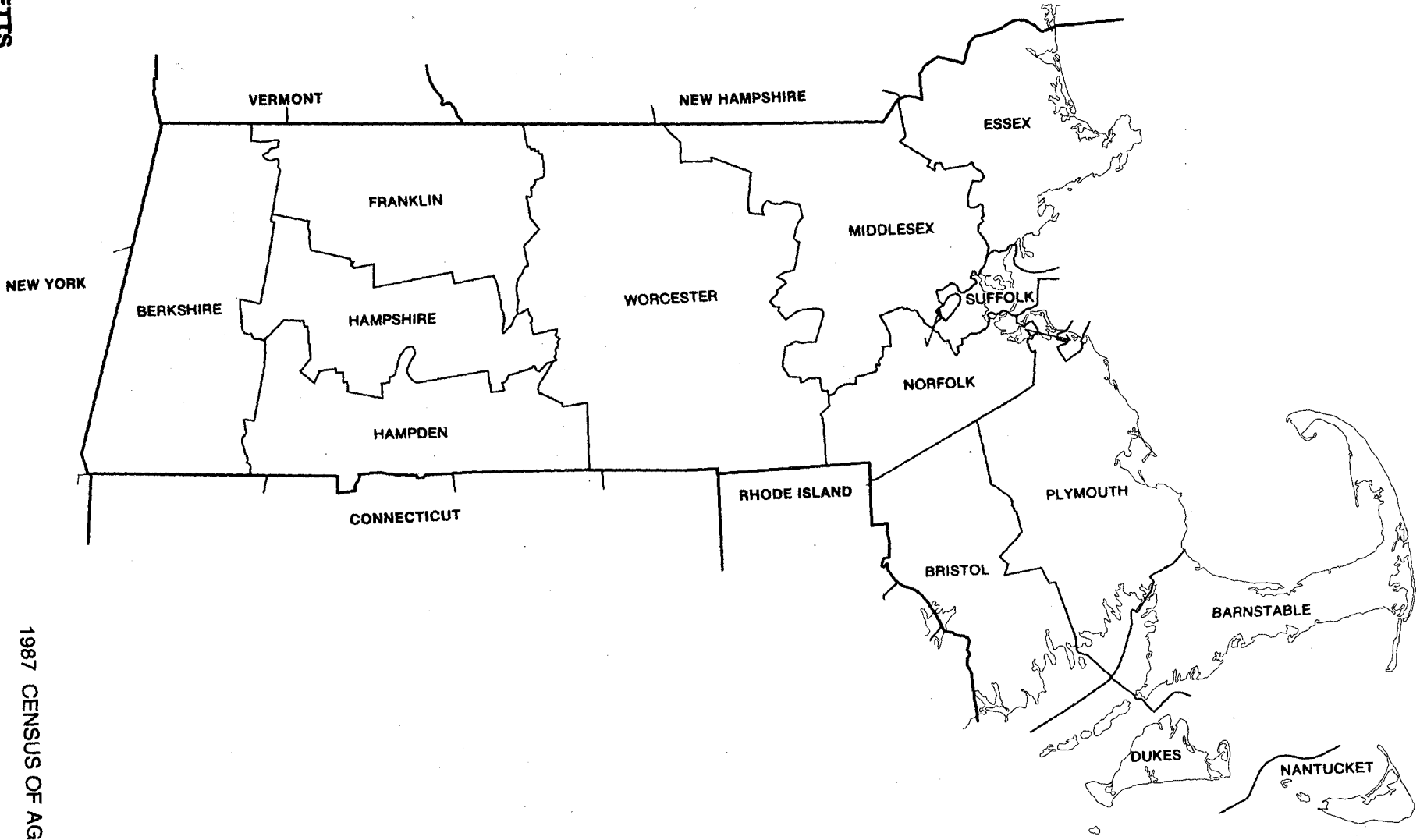
<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Data for 1987 include cost of custom applications.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.

Figure 1. State Map

# MASSACHUSETTS



2 MASSACHUSETTS

1987 CENSUS OF AGRICULTURE

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Figure 2. **Profile of State's Agriculture: 1987**

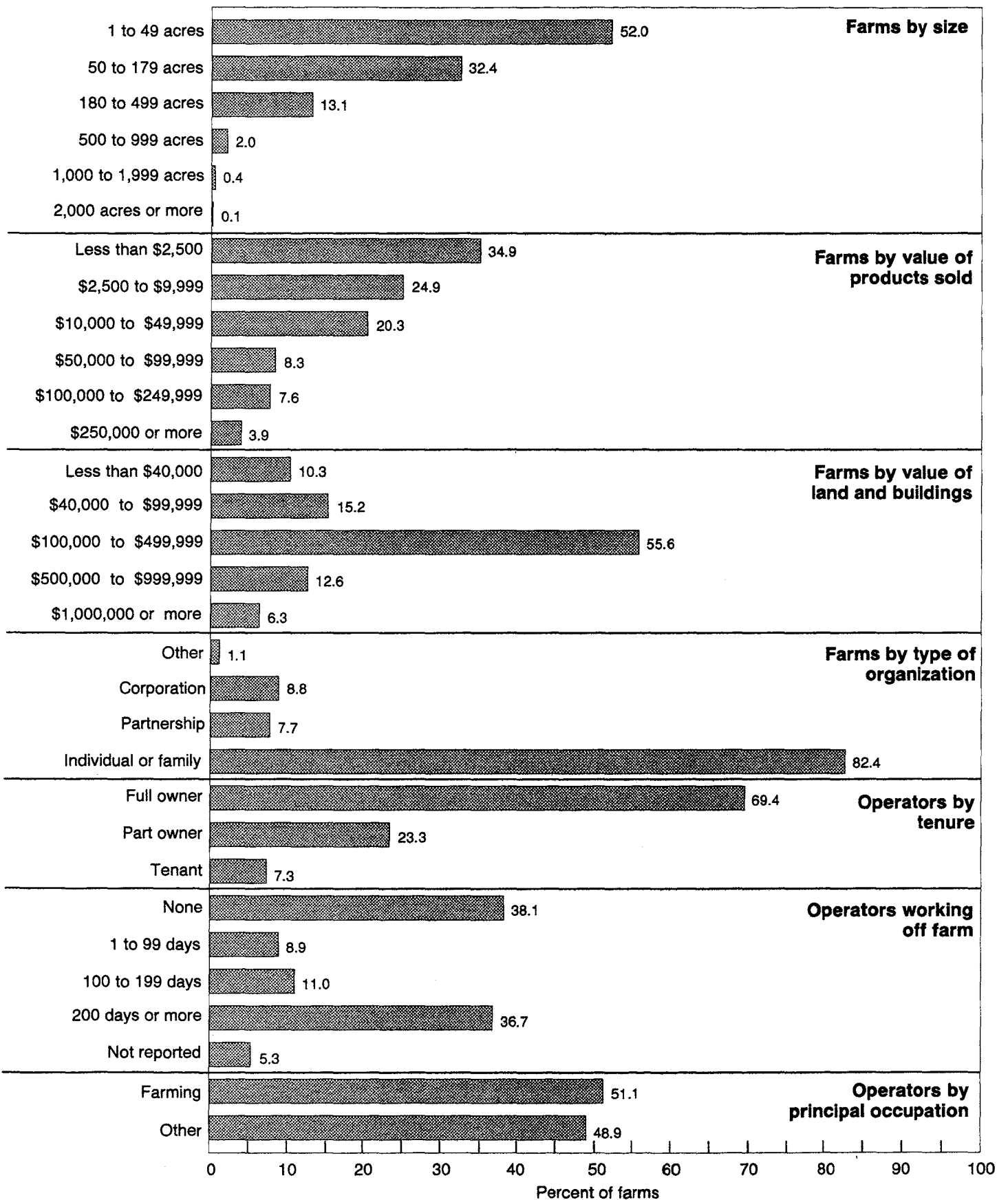


Figure 3. **Percent of Farms and of Value of Products Sold: 1987**

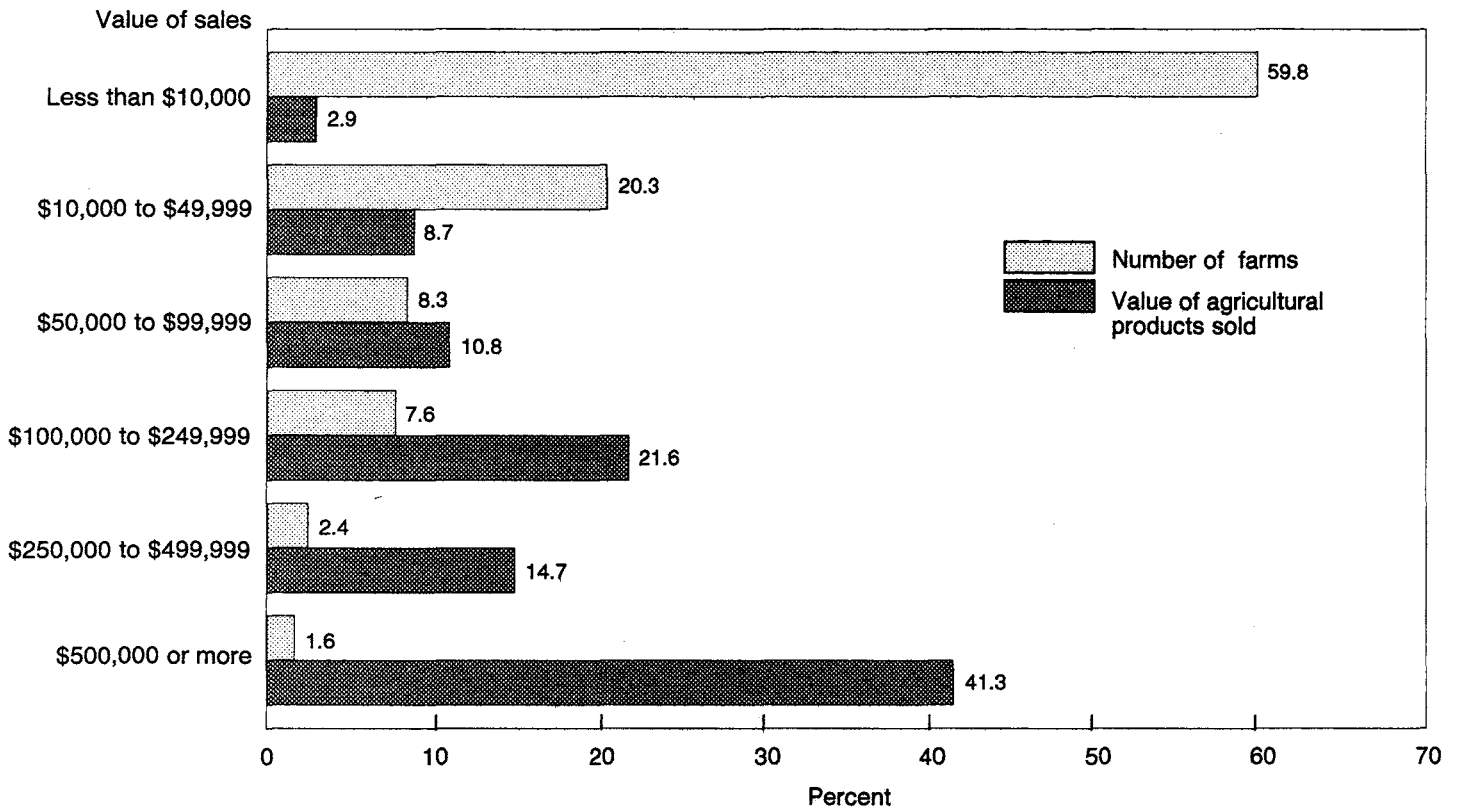


Figure 4. **Farms by Value of Agricultural Products Sold: 1959 to 1987**

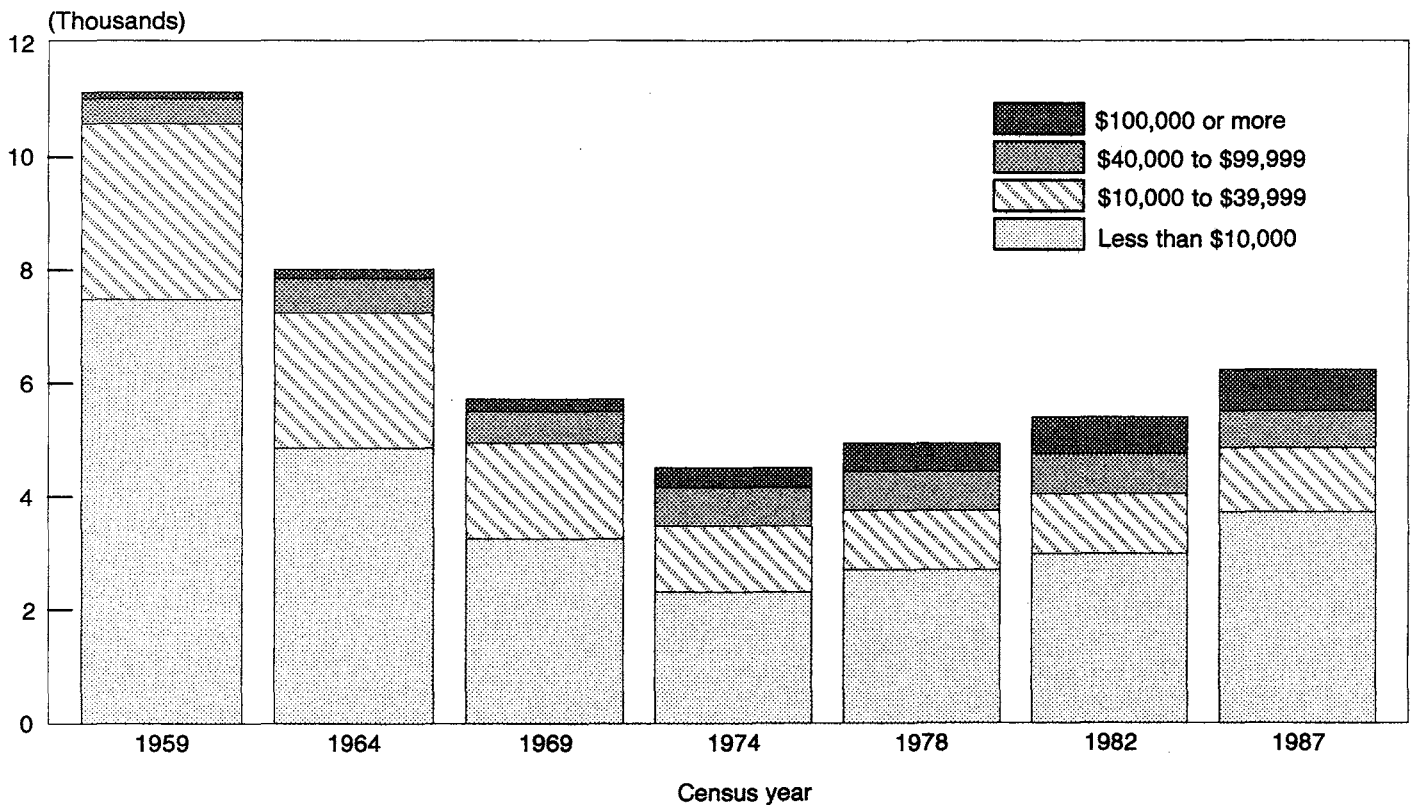


Figure 5. **Land Use: 1987**

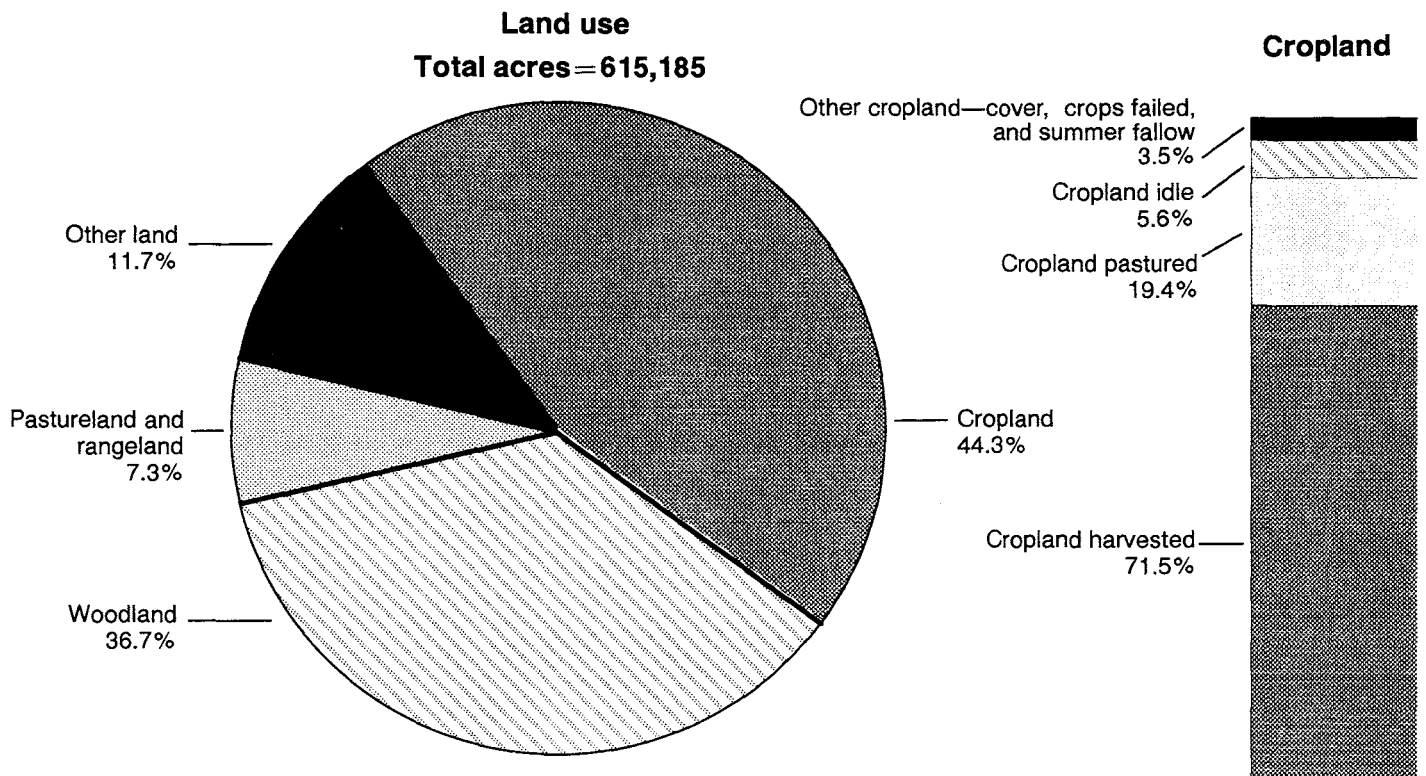


Figure 6. **Selected Crops Harvested: 1987**

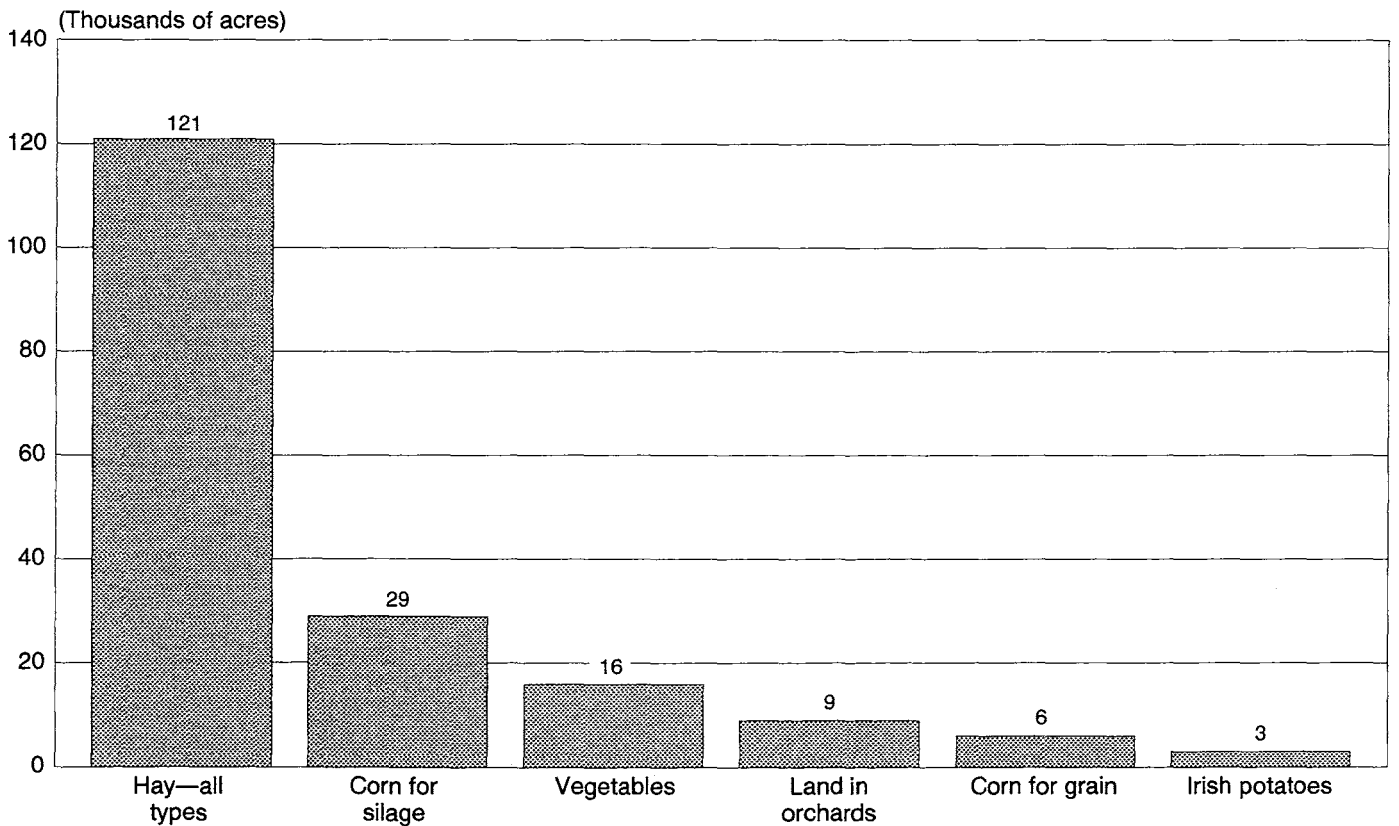


Figure 7. **Value of Livestock and Poultry Sold: 1987**

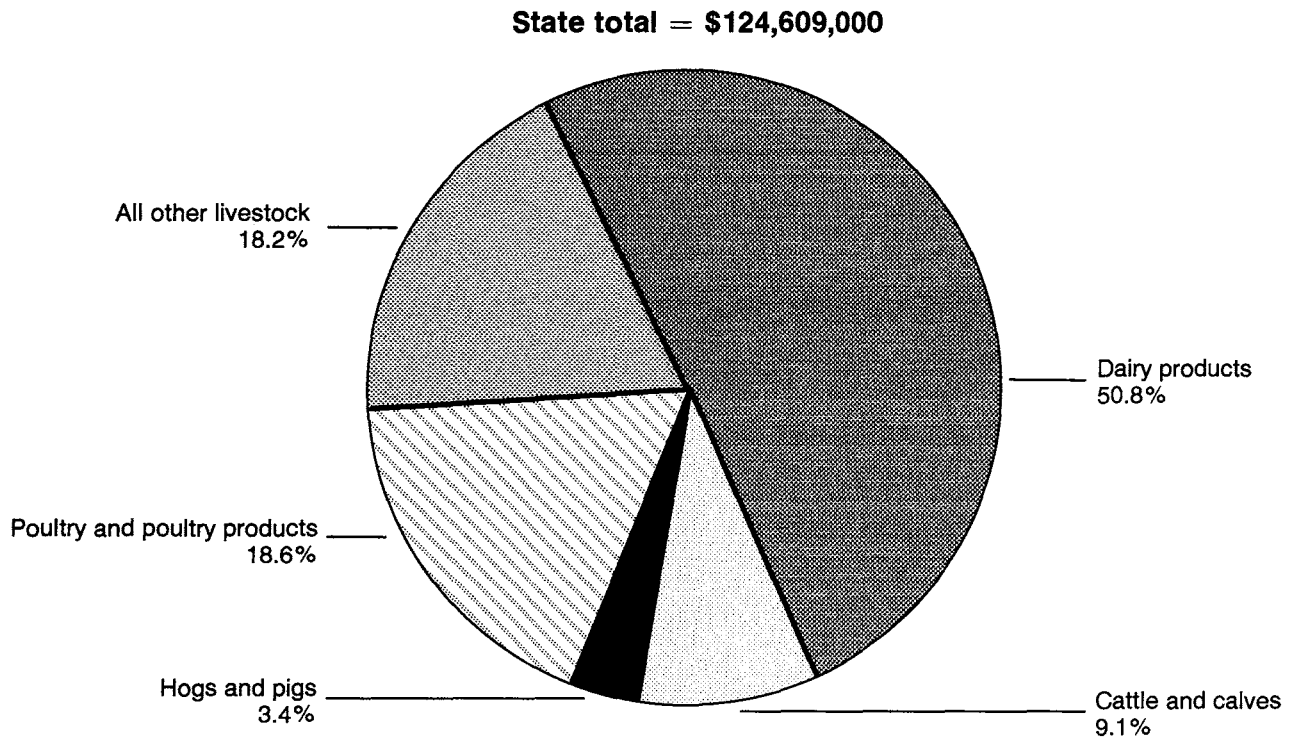
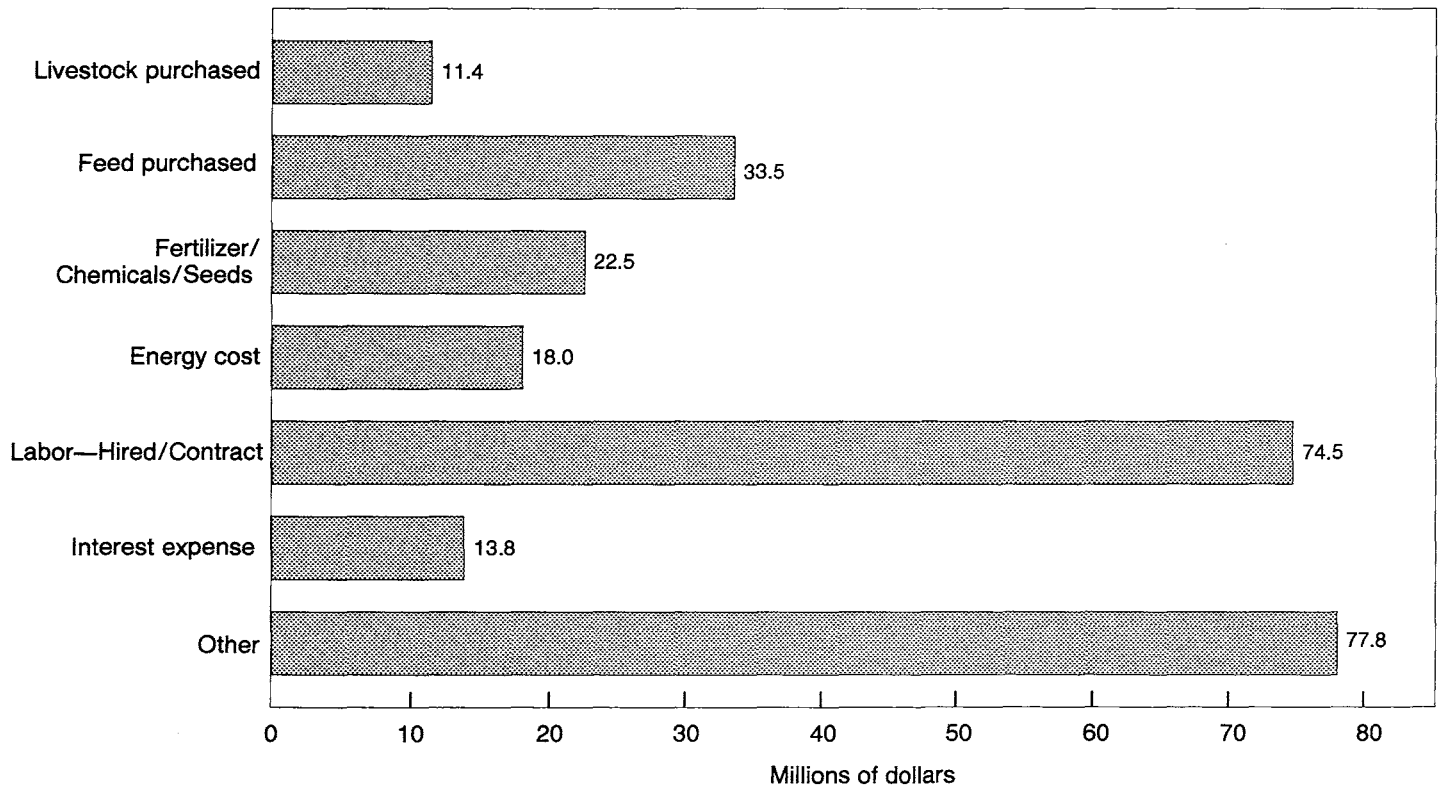


Figure 8. **Production Expenses: 1987**





**Table 1. Historical Highlights: 1987 and Earlier Census Years**

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

All farms	1987	1982	1978	1974	1969	1964	1959	1954
Farms.....number.....	6 216	5 401	4 946	4 497	5 703	8 019	11 179	17 361
Land in farms.....acres.....	615 185	612 819	617 359	601 734	700 578	901 789	1 142 341	1 439 080
Average size of farm.....acres.....	99	113	125	134	123	113	102	83
Value of land and buildings <sup>1</sup> :								
Average per farm.....dollars.....	346 530	205 677	183 339	128 535	69 362	43 492	31 692	18 552
Average per acre.....dollars.....	3 553	1 963	1 443	961	565	386	310	224
Estimated market value of all machinery and equipment <sup>1</sup> .....\$1,000.....	198 868	153 346	121 137	84 637	48 237	(NA)	(NA)	(NA)
Average per farm.....dollars.....	32 039	28 429	24 507	19 729	8 746	(NA)	(NA)	(NA)
Farms by size:								
1 to 9 acres.....	1 105	920	798	627	859	1 508	2 057	3 923
10 to 49 acres.....	2 125	1 652	1 399	1 185	1 622	2 301	3 391	5 777
50 to 179 acres.....	2 016	1 814	1 698	1 637	2 039	2 680	3 835	5 498
180 to 499 acres.....	813	856	883	876	987	1 298	1 639	1 901
500 to 999 acres.....	126	130	137	142	156	190	216	208
1,000 to 1,999 acres.....	26	21	25	21	33	33	41	54
2,000 acres or more.....	5	8	6	9	7	9		
Total cropland.....farms.....	5 654	4 941	4 645	4 212	5 168	7 101	9 752	15 217
.....acres.....	272 588	265 866	276 686	257 033	280 455	347 833	445 153	550 613
Harvested cropland.....farms.....	5 084	4 608	4 397	4 032	4 669	6 498	8 779	13 005
.....acres.....	194 874	197 769	197 405	188 015	189 635	234 443	290 682	331 180
Irrigated land.....farms.....	1 316	1 000	966	879	925	1 229	1 093	1 366
.....acres.....	20 158	17 331	16 753	18 512	18 850	24 178	19 999	22 683
Market value of agricultural products sold <sup>2</sup> .....\$1,000.....	340 464	281 436	211 994	179 653	138 650	138 543	126 440	125 226
Average per farm.....dollars.....	54 772	52 108	42 862	39 950	24 312	17 277	11 311	7 213
Crops, including nursery and greenhouse crops.....\$1,000.....	215 855	139 428	100 079	86 453	61 859	54 925	45 718	43 449
Livestock, poultry, and their products.....\$1,000.....	124 609	142 008	111 915	92 464	76 360	82 727	80 035	81 028
Farms by value of sales <sup>3</sup> :								
Less than \$2,500.....	2 167	1 622	1 338	1 354	2 132	2 825	4 437	8 941
\$2,500 to \$4,999.....	830	706	730	444	481	853	1 451	2 167
\$5,000 to \$9,999.....	720	655	636	498	600	1 166	1 568	2 498
\$10,000 to \$24,999 <sup>4</sup> .....	770	690	677				3 652	2 545
\$25,000 to \$49,999 <sup>5</sup> .....	494	526	552	1 840	2 239	2 978	-	1 100
\$50,000 to \$99,999.....	515	544	506				-	-
\$100,000 to \$499,999.....	623	570	438	297	195		-	-
\$500,000 or more.....	97	71	49	47	20	156	-	-
Farms by type of organization:								
Individual or family (sole proprietorship).....	5 124	4 541	4 087	(NA)	(NA)	(NA)	(NA)	(NA)
Partnership.....	481	377	439	(NA)	(NA)	(NA)	(NA)	(NA)
Corporation.....	544	413	358	(NA)	(NA)	(NA)	(NA)	(NA)
Other—cooperative, estate or trust, institutional, etc.....	67	70	62	(NA)	(NA)	(NA)	(NA)	(NA)
Operators by days worked off farm <sup>6</sup> :								
None.....	2 371	2 121	2 197	1 672	(NA)	(NA)	(NA)	8 223
Any.....	3 516	2 897	2 520	1 815	2 892	3 523	5 182	8 513
200 days or more.....	2 283	1 838	1 623	1 157	1 931	2 237	3 737	6 344
Operators by principal occupation <sup>6</sup> :								
Farming.....	3 174	2 941	2 852	2 560	(NA)	(NA)	(NA)	(NA)
Other.....	3 042	2 460	2 094	1 604	(NA)	(NA)	(NA)	(NA)
Average age of operator <sup>6</sup> .....years.....	52.6	51.5	52.5	54.2	53.0	53.6	52.6	52.7
Total farm production expenses <sup>1</sup> .....\$1,000.....	251 496	(NA)	(NA)	155 157	115 740	(NA)	(NA)	(NA)
Selected farm production expenses <sup>1</sup> :								
Livestock and poultry purchased.....\$1,000.....	11 441	11 468	10 950	8 110	7 400	5 805	7 309	(NA)
Feed for livestock and poultry.....\$1,000.....	33 525	47 203	39 491	40 395	27 157	31 489	37 828	45 196
Commercial fertilizer <sup>7</sup> .....\$1,000.....	8 953	7 155	7 148	5 808	3 531	3 959	(NA)	(NA)
Petroleum products.....\$1,000.....	12 042	16 641	11 733	8 766	4 573	5 078	4 611	4 415
Hired farm labor.....\$1,000.....	66 579	43 109	40 380	31 981	27 002	25 640	26 887	24 454
Interest expense <sup>8</sup> .....\$1,000.....	13 788	10 141	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Agricultural chemicals <sup>7</sup> .....\$1,000.....	7 319	4 885	3 882	2 768	2 231	(NA)	(NA)	(NA)
Livestock and poultry:								
Cattle and calves inventory.....farms.....	2 112	2 311	2 073	1 994	2 226	3 560	5 258	9 085
.....number.....	83 065	102 366	96 951	103 938	103 054	127 197	143 332	181 195
Beef cows.....farms.....	1 124	1 071	904	759	(NA)	872	(NA)	(NA)
.....number.....	9 692	8 176	7 408	7 650	5 928	4 916	3 673	4 688
Milk cows.....farms.....	838	1 111	1 156	1 239	1 551	2 780	4 436	7 750
.....number.....	36 913	49 891	49 728	55 328	58 786	79 275	89 353	107 414
Cattle and calves sold.....farms.....	1 725	1 908	1 803	1 745	2 022	3 067	4 247	5 647
.....number.....	39 668	47 034	51 782	48 032	59 974	84 203	78 856	89 741
Hogs and pigs inventory.....farms.....	498	619	628	465	307	606	1 235	2 297
.....number.....	25 816	39 570	54 586	43 229	55 975	82 025	107 943	105 997
Hogs and pigs sold.....farms.....	387	451	435	309	224	381	569	745
.....number.....	40 048	44 391	61 181	52 681	56 879	86 696	111 322	78 497
Chickens 3 months old or older inventory <sup>9</sup> .....farms.....	738	727	685	577	803	1 615	3 724	7 832
.....number.....	1 502 202	1 276 406	1 465 853	1 956 434	2 673 382	2 806 439	3 497 662	4 084 965
Broilers and other meat-type chickens sold.....farms.....	37	48	41	31	58	120	242	575
.....number.....	(D)	162 904	163 218	301 430	1 577 680	4 407 220	7 838 363	10 726 535

See footnotes at end of table.

**Table 1. Historical Highlights: 1987 and Earlier Census Years—Con.**

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

All farms	1987	1982	1978	1974	1969	1964	1959	1954
Selected crops harvested:								
Corn for grain or seed ----- farms--	152	165	182	138	126	150	373	687
acres--	5 681	6 077	4 634	3 022	2 012	1 388	2 188	2 764
bushels--	626 829	591 680	401 671	232 727	168 547	94 690	140 610	158 201
Tobacco----- farms--	21	46	44	51	74	157	269	733
acres--	458	352	1 078	1 568	2 420	3 057	4 009	6 164
pounds--	618 971	574 990	1 536 802	(D)	3 135 613	5 108 175	6 041 714	9 947 400
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms--	2 874	2 663	2 520	2 191	2 642	(NA)	(NA)	(NA)
acres--	121 498	116 729	118 929	110 327	112 814	160 884	210 338	237 969
tons, dry--	250 559	241 584	244 457	225 714	228 343	254 703	365 857	408 982
Vegetables harvested for sale (see text) <sup>10</sup> ----- farms--	1 008	1 011	968	931	1 005	1 319	1 640	2 347
acres--	16 325	15 307	14 812	15 422	15 626	16 611	18 466	20 324
Land in orchards ----- farms--	572	489	426	366	412	633	1 053	1 825
acres--	9 379	9 332	8 111	9 366	10 487	11 283	14 049	16 508

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Data for 1974 and prior years include the value of forest products sold.

<sup>3</sup>Data for 1982 and prior years exclude abnormal farms.

<sup>4</sup>Data for 1959 are for \$10,000 or more.

<sup>5</sup>Data for 1954 are for \$25,000 or more.

<sup>6</sup>Data for 1974 apply only to individual or family operations (sole proprietorship) and partnerships; see text.

<sup>7</sup>Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.

<sup>8</sup>Data for 1982 do not include imputation for item nonresponse.

<sup>9</sup>Data for 1964 and prior years are for chickens 4 months old or older.

<sup>10</sup>Data for 1974 were from land area used.

**Table 2. Market Value of Agricultural Products Sold: 1987, 1982, and 1978**

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

Item	1987	Percent of total in 1987	1982	1978
Total sales (see text) ----- farms...	6 216	100.0	5 401	4 946
----- \$1,000...	340 464	100.0	281 436	211 994
Average per farm ----- dollars...	54 772	(X)	52 108	42 862
Value of sales <sup>1</sup> :				
Less than \$1,000 (see text) ----- farms...	1 133	18.2	780	497
----- \$1,000...	254	.1	238	190
\$1,000 to \$2,499 ----- farms...	1 034	16.6	842	841
----- \$1,000...	1 642	.5	1 344	1 373
\$2,500 to \$4,999 ----- farms...	830	13.4	706	730
----- \$1,000...	2 911	.9	2 480	2 617
\$5,000 to \$9,999 ----- farms...	720	11.6	655	636
----- \$1,000...	4 961	1.5	4 632	4 478
\$10,000 to \$19,999 ----- farms...	591	9.5	525	504
----- \$1,000...	8 193	2.4	7 400	7 074
\$20,000 to \$24,999 ----- farms...	179	2.9	165	173
----- \$1,000...	3 941	1.2	3 625	3 811
\$25,000 to \$39,999 ----- farms...	356	5.7	364	370
----- \$1,000...	11 233	3.3	11 434	11 749
\$40,000 to \$49,999 ----- farms...	138	2.2	162	182
----- \$1,000...	6 162	1.8	7 159	8 102
\$50,000 to \$99,999 ----- farms...	515	8.3	544	506
----- \$1,000...	36 797	10.8	38 800	35 453
\$100,000 to \$249,999 ----- farms...	475	7.6	431	351
----- \$1,000...	73 705	21.6	64 080	53 137
\$250,000 to \$499,999 ----- farms...	148	2.4	139	87
----- \$1,000...	50 202	14.7	47 007	(D)
\$500,000 to \$999,999 <sup>2</sup> ----- farms...	53	.9	71	49
----- \$1,000...	34 959	10.3	91 907	(D)
\$1,000,000 or more ----- farms...	44	.7	-	-
----- \$1,000...	105 504	31.0	-	-
Sales by commodity or commodity group:				
Crops, including nursery and greenhouse crops ----- farms...	3 820	61.5	3 260	3 077
----- \$1,000...	215 855	63.4	139 428	100 079
Grains ----- farms...	78	1.3	86	65
----- \$1,000...	785	.2	836	321
Corn for grain ----- farms...	67	1.1	51	(NA)
----- \$1,000...	729	.2	(D)	(NA)
Wheat ----- farms...	3	(Z)	3	(NA)
----- \$1,000...	(D)	(D)	(D)	(NA)
Soybeans ----- farms...	-	-	3	(NA)
----- \$1,000...	-	-	(D)	(NA)
Sorghum for grain ----- farms...	-	-	-	(NA)
----- \$1,000...	-	-	-	(NA)
Barley ----- farms...	-	-	(NA)	(NA)
----- \$1,000...	-	-	(NA)	(NA)
Oats ----- farms...	5	.1	3	(NA)
----- \$1,000...	(D)	(D)	(D)	(NA)
Other grains <sup>3</sup> ----- farms...	7	.1	31	(NA)
----- \$1,000...	39	(Z)	52	(NA)
Cotton and cottonseed ----- farms...	-	-	-	-
----- \$1,000...	-	-	-	-
Tobacco ----- farms...	21	.3	46	44
----- \$1,000...	4 587	1.3	2 494	6 985
Hay, silage, and field seeds ----- farms...	1 569	25.2	1 248	1 090
----- \$1,000...	7 803	2.3	5 624	4 469
Vegetables, sweet corn, and melons ----- farms...	1 007	16.2	1 011	968
----- \$1,000...	25 179	7.4	19 199	13 450
Fruits, nuts, and berries ----- farms...	1 186	19.1	1 002	907
----- \$1,000...	92 349	27.1	60 925	30 426
Nursery and greenhouse crops ----- farms...	824	13.3	716	749
----- \$1,000...	80 867	23.8	46 465	41 032
Other crops ----- farms...	114	1.8	134	158
----- \$1,000...	4 285	1.3	3 884	3 395
Livestock, poultry, and their products ----- farms...	2 932	47.2	2 904	2 631
----- \$1,000...	124 609	36.6	142 008	111 915
Poultry and poultry products ----- farms...	498	8.0	508	458
----- \$1,000...	23 149	6.8	25 456	18 504
Dairy products ----- farms...	609	9.8	879	902
----- \$1,000...	63 309	18.6	80 840	61 549
Cattle and calves ----- farms...	1 725	27.8	1 908	1 803
----- \$1,000...	11 297	3.3	12 212	12 181
Hogs and pigs ----- farms...	387	6.2	451	435
----- \$1,000...	4 220	1.2	4 497	5 255
Sheep, lambs, and wool ----- farms...	563	9.1	398	280
----- \$1,000...	884	.3	445	230
Other livestock and livestock products (see text) ----- farms...	722	11.6	560	479
----- \$1,000...	21 749	6.4	18 559	14 195

<sup>1</sup>Data for 1982 and 1978 exclude abnormal farms.

<sup>2</sup>Data for 1982 and 1978 are for \$500,000 or more.

<sup>3</sup>Data for 1982 include barley.

**Table 3. Farm Production Expenses: 1987, 1982, and 1978**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	1978
	Farms	Expenses (\$1,000)		
Total farm production expenses ----- farms..	6 216	(X)	(NA)	(NA)
----- \$1,000..	(X)	251 496	(NA)	(NA)
----- dollars..	(X)	40 460	(NA)	(NA)
Farms with expenses of --				
\$1 to \$4,999 .....	2 401	6 963	(NA)	(NA)
\$5,000 to \$9,999 .....	1 307	9 417	(NA)	(NA)
\$10,000 to \$24,999 .....	1 038	16 658	(NA)	(NA)
\$25,000 to \$49,999 .....	526	19 043	(NA)	(NA)
\$50,000 to \$99,999 .....	500	36 723	(NA)	(NA)
\$100,000 to \$249,999 .....	281	43 102	(NA)	(NA)
\$250,000 to \$499,999 .....	98	32 818	(NA)	(NA)
\$500,000 or more .....	65	86 772	(NA)	(NA)
Livestock and poultry purchased ----- farms..	1 559	(X)	1 636	1 642
----- \$1,000..	(X)	11 441	11 468	10 950
----- percent of total..	(X)	4.5	(NA)	(NA)
Farms with expenses of --				
\$1 to \$999 .....	739	238	788	782
\$1,000 to \$4,999 .....	499	1 127	490	498
\$5,000 to \$9,999 .....	111	713	144	157
\$10,000 to \$24,999 <sup>1</sup> .....	131	1 995	174	205
\$25,000 to \$49,999 .....	52	1 760		
\$50,000 to \$99,999 .....	12	806		
\$100,000 to \$249,999 .....	12	1 852	40	
\$250,000 or more .....	3	2 950		
Feed for livestock and poultry ----- farms..	2 893	(X)	2 947	2 629
----- \$1,000..	(X)	33 525	47 203	39 491
----- percent of total..	(X)	13.3	(NA)	(NA)
Farms with expenses of --				
\$1 to \$999 .....	1 340	597	974	1 034
\$1,000 to \$4,999 .....	790	1 582	938	558
\$5,000 to \$9,999 .....	205	1 370	188	181
\$10,000 to \$24,999 <sup>1</sup> .....	243	3 645		856
\$25,000 to \$49,999 .....	168	5 745	747	
\$50,000 to \$79,999 .....	81	5 067		
\$80,000 to \$99,999 .....	22	2 005		
\$100,000 or more .....	44	13 513	100	
Commercially mixed formula feeds ----- farms..	1 552	(X)	1 997	1 670
----- \$1,000..	(X)	26 256	36 846	33 062
----- percent of total..	(X)	10.4	(NA)	(NA)
Farms with expenses of --				
\$1 to \$999 .....	707	238	580	475
\$1,000 to \$4,999 .....	285	560	533	282
\$5,000 to \$9,999 .....	115	835	184	175
\$10,000 to \$24,999 <sup>1</sup> .....	207	3 193	557	738
\$25,000 to \$49,999 .....	129	4 321		
\$50,000 to \$79,999 .....	63	3 957	143	
\$80,000 or more .....	46	13 152		
Seeds, bulbs, plants, and trees ----- farms..	2 429	(X)	2 068	2 726
----- \$1,000..	(X)	6 227	5 996	7 737
----- percent of total..	(X)	2.5	(NA)	(NA)
Farms with expenses of --				
\$1 to \$499 .....	1 256	229	1 048	1 399
\$500 to \$999 .....	395	274	349	479
\$1,000 to \$4,999 .....	618	1 277	487	627
\$5,000 to \$9,999 .....	63	386	108	117
\$10,000 to \$19,999 .....	47	599	28	34
\$20,000 to \$24,999 .....	11	225		
\$25,000 or more .....	39	3 237	48	70
Commercial fertilizer <sup>2</sup> ----- farms..	3 858	(X)	3 284	3 585
----- \$1,000..	(X)	8 953	7 155	7 148
----- percent of total..	(X)	3.6	(NA)	(NA)
Farms with expenses of --				
\$1 to \$499 .....	1 793	353	1 371	1 658
\$500 to \$999 .....	555	370	663	558
\$1,000 to \$4,999 .....	1 072	2 248	923	1 018
\$5,000 to \$9,999 .....	249	1 586	181	234
\$10,000 to \$24,999 <sup>1</sup> .....	149	2 091		117
\$25,000 to \$29,999 .....	11	297	123	
\$30,000 to \$49,999 .....	17	585		
\$50,000 to \$99,999 .....	7	490	23	
\$100,000 or more .....	5	932		
Agricultural chemicals <sup>2</sup> ----- farms..	3 027	(X)	2 456	3 260
----- \$1,000..	(X)	7 319	4 885	3 882
----- percent of total..	(X)	2.9	(NA)	(NA)
Farms with expenses of --				
\$1 to \$499 .....	1 530	260	1 390	1 942
\$500 to \$999 .....	479	308	357	545
\$1,000 to \$4,999 .....	710	1 554	494	630
\$5,000 to \$9,999 .....	156	1 008	131	81
\$10,000 to \$24,999 .....	108	1 554		
\$25,000 to \$49,999 .....	29	1 010	84	62
\$50,000 or more .....	15	1 625		
Petroleum products ----- farms..	5 859	(X)	5 323	4 900
----- \$1,000..	(X)	12 042	16 641	11 733
----- percent of total..	(X)	4.6	(NA)	(NA)
Farms with expenses of --				
\$1 to \$999 .....	3 669	1 171	2 992	2 993
\$1,000 to \$4,999 .....	1 769	3 986	1 625	1 483
\$5,000 to \$9,999 .....	232	1 604	384	244
\$10,000 to \$24,999 <sup>1</sup> .....	137	2 052		180
\$25,000 to \$39,999 .....	23	716	276	
\$40,000 to \$49,999 .....	9	392		
\$50,000 or more .....	20	2 121	46	

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987, 1982, and 1978—Con.**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	1978
	Farms	Expenses (\$1,000)		
Total farm production expenses—Con.				
Electricity	farms.. 4 286	(X)	3 622	3 356
	\$1,000.. (X)	5 959	5 874	3 832
	percent of total.. (X)	2.4	(NA)	(NA)
Farms with expenses of—				
\$1 to \$499	2 490	430	1 795	1 956
\$500 to \$999	661	442	534	464
\$1,000 to \$1,999	482	628	631	507
\$2,000 to \$4,999	413	1 247	440	333
\$5,000 to \$9,999	159	1 065		
\$10,000 to \$24,999	66	884	222	96
\$25,000 or more	15	1 264		
Hired farm labor	farms.. 2 185	(X)	2 412	2 573
	\$1,000.. (X)	66 579	43 109	40 380
	percent of total.. (X)	26.5	(NA)	(NA)
Farms with expenses of—				
\$1 to \$999	624	228	641	756
\$1,000 to \$4,999	471	1 228	862	790
\$5,000 to \$9,999	211	1 490	273	329
\$10,000 to \$24,999	406	6 360	475	698
\$25,000 to \$49,999	243	8 038		
\$50,000 to \$79,999	100	6 026		
\$80,000 to \$99,999	19	(D)	161	
\$100,000 or more	111	(D)		
Contract labor	farms.. 1 025	(X)	429	460
	\$1,000.. (X)	7 906	2 604	1 652
	percent of total.. (X)	3.1	(NA)	(NA)
Farms with expenses of—				
\$1 to \$999	408	176	176	193
\$1,000 to \$4,999	332	718	161	180
\$5,000 to \$9,999	103	628	40	55
\$10,000 to \$24,999	128	1 844		
\$25,000 to \$49,999	20	626	52	32
\$50,000 or more	34	3 913		
Repair and maintenance	farms.. 5 222	(X)	(NA)	(NA)
	\$1,000.. (X)	16 873	(NA)	(NA)
	percent of total.. (X)	6.7	(NA)	(NA)
Farms with expenses of—				
\$1 to \$999	2 466	969	(NA)	(NA)
\$1,000 to \$4,999	1 887	4 110	(NA)	(NA)
\$5,000 to \$9,999	508	3 276	(NA)	(NA)
\$10,000 to \$24,999	277	3 929	(NA)	(NA)
\$25,000 to \$49,999	55	1 873	(NA)	(NA)
\$50,000 or more	29	2 715	(NA)	(NA)
Customwork, machine hire, and rental of machinery and equipment <sup>3</sup>	farms.. 1 276	(X)	1 224	1 104
	\$1,000.. (X)	3 570	3 517	1 691
	percent of total.. (X)	1.4	(NA)	(NA)
Farms with expenses of—				
\$1 to \$999	781	248	833	793
\$1,000 to \$4,999	362	770	288	270
\$5,000 to \$9,999	82	537	61	19
\$10,000 to \$24,999	33	480		
\$25,000 to \$49,999	8	270	42	22
\$50,000 or more	10	1 264		
Interest <sup>4</sup>	farms.. 1 981	(X)	1 803	(NA)
	\$1,000.. (X)	13 788	10 141	(NA)
	percent of total.. (X)	5.5	(NA)	(NA)
Farms with expenses of—				
\$1 to \$999	531	221	615	(NA)
\$1,000 to \$4,999	864	2 064	644	(NA)
\$5,000 to \$9,999	283	1 883	235	(NA)
\$10,000 to \$24,999	202	3 132		
\$25,000 to \$49,999	59	2 051		
\$50,000 to \$99,999	29	1 966	309	(NA)
\$100,000 or more	13	2 470		
Interest paid on debt:				
Secured by real estate	1 410	10 563	(NA)	(NA)
Not secured by real estate	950	3 225	(NA)	(NA)
Cash rent	farms.. 1 092	(X)	(NA)	(NA)
	\$1,000.. (X)	3 848	(NA)	(NA)
	percent of total.. (X)	1.5	(NA)	(NA)
Farms with expenses of—				
\$1 to \$499	299	61	(NA)	(NA)
\$500 to \$999	207	137	(NA)	(NA)
\$1,000 to \$4,999	412	905	(NA)	(NA)
\$5,000 to \$9,999	86	582	(NA)	(NA)
\$10,000 to \$24,999	65	959	(NA)	(NA)
\$25,000 to \$49,999	11	385	(NA)	(NA)
\$50,000 or more	12	818	(NA)	(NA)
Property taxes paid	farms.. 5 817	(X)	(NA)	(NA)
	\$1,000.. (X)	15 219	(NA)	(NA)
	percent of total.. (X)	6.1	(NA)	(NA)
Farms with expenses of—				
\$1 to \$499	891	215	(NA)	(NA)
\$500 to \$999	845	597	(NA)	(NA)
\$1,000 to \$4,999	3 504	7 806	(NA)	(NA)
\$5,000 to \$9,999	397	2 616	(NA)	(NA)
\$10,000 to \$24,999	150	2 014	(NA)	(NA)
\$25,000 or more	30	1 971	(NA)	(NA)

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987, 1982, and 1978—Con.**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text.]

Item	1987		1982	1978
	Farms	Expenses (\$1,000)		
Total farm production expenses—Con.				
All other farm production expenses ----- farms--	5 700	(X)	(NA)	(NA)
\$1,000--	(X)	38 248	(NA)	(NA)
percent of total--	(X)	15.2	(NA)	(NA)
Farms with expenses of--				
\$1 to \$999 -----	2 757	1 110	(NA)	(NA)
\$1,000 to \$4,999 -----	1 937	3 960	(NA)	(NA)
\$5,000 to \$9,999 -----	371	2 542	(NA)	(NA)
\$10,000 to \$24,999 -----	373	5 590	(NA)	(NA)
\$25,000 to \$49,999 -----	143	4 785	(NA)	(NA)
\$50,000 to \$99,999 -----	70	4 572	(NA)	(NA)
\$100,000 or more -----	49	15 690	(NA)	(NA)

<sup>1</sup>Data for 1978 are for \$10,000 or more.<sup>2</sup>Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.<sup>3</sup>Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.<sup>4</sup>Data for 1982 do not include imputation for item nonresponse.**Table 4. Net Cash Return From Agricultural Sales: 1987**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text.]

Item	All farms	Farms with sales of \$10,000 or more	Farms with sales of less than \$10,000
Net cash return from agricultural sales for the farm unit (see text) ----- farms--	6 216	2 490	3 726
\$1,000--	84 172	99 131	-14 959
Average per farm ----- dollars--	13 541	39 811	-4 015
Farms with net gains <sup>1</sup> ----- number--	3 017	2 084	933
\$1,000--	106 761	104 955	1 806
Average per farm ----- dollars--	35 387	50 362	1 936
Gain of--			
Less than \$1,000 -----	374	24	350
\$1,000 to \$4,999 -----	820	284	536
\$5,000 to \$9,999 -----	311	264	47
\$10,000 to \$24,999 -----	666	666	-
\$25,000 to \$49,999 -----	411	411	-
\$50,000 or more -----	435	435	-
Farms with net losses ----- number--	3 199	406	2 793
\$1,000--	22 590	5 825	16 765
Average per farm ----- dollars--	7 062	14 346	6 003
Loss of--			
Less than \$1,000 -----	463	39	424
\$1,000 to \$4,999 -----	1 607	122	1 485
\$5,000 to \$9,999 -----	588	63	525
\$10,000 to \$24,999 -----	369	113	256
\$25,000 to \$49,999 -----	121	51	70
\$50,000 or more -----	51	18	33

<sup>1</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 5. Government Payments and Other Farm-Related Income: 1987 and 1982**

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

Item	All farms		Farms with sales of \$10,000 or more	
	Farms	Value (\$1,000)	Farms	Value (\$1,000)
Government payments ----- 1987 ..	400	2 213	244	2 066
Average per farm <sup>1</sup> ----- 1987 ..	(X)	5 533	(X)	8 468
Farms with receipts of--				
\$1 to \$999 .....	231	86	106	48
\$1,000 to \$4,999 .....	114	247	92	208
\$5,000 to \$9,999 .....	29	200	21	(D)
\$10,000 to \$24,999 .....	15	233	14	(D)
\$25,000 to \$49,999 .....	6	194	6	194
\$50,000 or more .....	5	1 254	5	1 254
Amount received in cash ----- 1987 ..	353	1 967	215	1 840
Value of certificates received ----- 1987 ..	127	246	98	218
Other farm-related income, gross before taxes and expenses <sup>2</sup> ----- 1987 ..	1 361	5 802	570	3 570
Average per farm <sup>1</sup> ----- 1987 ..	(X)	4 263	(X)	6 264
Farms with receipts of--				
\$1 to \$999 .....	602	233	187	73
\$1,000 to \$4,999 .....	440	1 050	171	334
\$5,000 to \$9,999 .....	195	1 400	103	734
\$10,000 to \$24,999 .....	89	1 418	84	1 337
\$25,000 to \$49,999 .....	26	777	17	(D)
\$50,000 or more .....	9	924	8	(D)
Customwork and other agricultural services <sup>3</sup> ----- 1987 ..	449	2 163	186	1 344
----- 1982 ..	351	909	179	747
Average per farm <sup>1</sup> ----- 1987 ..	(X)	4 818	(X)	7 224
----- 1982 ..	(X)	2 590	(X)	4 172
1987 farms with receipts of--				
\$1 to \$999 .....	192	83	52	23
\$1,000 to \$4,999 .....	138	320	42	75
\$5,000 to \$9,999 .....	66	447	44	325
\$10,000 to \$24,999 .....	43	682	40	640
\$25,000 to \$49,999 .....	8	(D)	7	(D)
\$50,000 or more .....	2	(D)	1	(D)
Rental of farmland ----- 1987 ..	300	477	122	213
Average per farm <sup>1</sup> ----- 1987 ..	(X)	1 591	(X)	1 743
Farms with receipts of--				
\$1 to \$999 .....	194	90	67	31
\$1,000 to \$4,999 .....	72	147	37	70
\$5,000 to \$9,999 .....	33	(D)	18	111
\$10,000 to \$24,999 .....	1	(D)	-	-
\$25,000 or more .....	-	-	-	-
Sales of forest products and Christmas trees ----- 1987 ..	570	1 780	187	1 113
Average per farm <sup>1</sup> ----- 1987 ..	(X)	3 122	(X)	5 953
Farms with receipts of--				
\$1 to \$999 .....	261	70	55	14
\$1,000 to \$4,999 .....	228	528	74	170
\$5,000 to \$9,999 .....	41	288	24	(D)
\$10,000 to \$24,999 .....	28	400	27	(D)
\$25,000 or more .....	12	492	7	352
Other farm-related income sources ----- 1987 ..	368	1 382	208	901
Average per farm <sup>1</sup> ----- 1987 ..	(X)	3 756	(X)	4 331
Farms with receipts of--				
\$1 to \$999 .....	166	43	91	32
\$1,000 to \$4,999 .....	115	230	67	130
\$5,000 to \$9,999 .....	60	420	28	(D)
\$10,000 to \$24,999 .....	14	218	12	(D)
\$25,000 or more .....	13	471	10	393

<sup>1</sup>Data are in whole dollars.

<sup>2</sup>Data are based on a sample of farms.

<sup>3</sup>Data for 1987 are based on a sample of farms; data for 1982 are nonsample and exclude abnormals from farms with sales of \$10,000 or more.

**Table 6. Commodity Credit Corporation Loans: 1987 and 1982**

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

CCC loans	1987		1982	
	Farms	Value (\$1,000)	Farms	Value (\$1,000)
<b>Total</b> .....	<b>8</b>	<b>159</b>	<b>3</b>	<b>(D)</b>
Average per farm <sup>1</sup> .....	(X)	19 866	(X)	(D)
Farms with loans of—				
\$1 to \$999 .....	-	-	-	-
\$1,000 to \$4,999 .....	3	3	1	(D)
\$5,000 to \$9,999 .....	-	-	-	-
\$10,000 to \$19,999 .....	2	(D)	1	(D)
\$20,000 to \$24,999 .....	-	-	-	-
\$25,000 to \$49,999 .....	1	(D)	1	(D)
\$50,000 or more .....	2	(D)	-	-
Corn .....	5	(D)	(NA)	(NA)
Average per farm <sup>1</sup> .....	(X)	(D)	(X)	(NA)
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	1	(D)	(NA)	(NA)
\$10,000 to \$24,999 .....	2	(D)	(NA)	(NA)
\$25,000 or more .....	2	(D)	(NA)	(NA)
Wheat .....	-	-	-	-
Average per farm <sup>1</sup> .....	(X)	-	(X)	-
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	-	-	(NA)	(NA)
\$10,000 to \$24,999 .....	-	-	(NA)	(NA)
\$25,000 or more .....	-	-	(NA)	(NA)
Soybeans .....	-	-	(NA)	(NA)
Average per farm <sup>1</sup> .....	(X)	-	(X)	(NA)
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	-	-	(NA)	(NA)
\$10,000 to \$24,999 .....	-	-	(NA)	(NA)
\$25,000 or more .....	-	-	(NA)	(NA)
Sorghum, barley, and oats .....	-	-	(NA)	(NA)
Average per farm <sup>1</sup> .....	(X)	-	(X)	(NA)
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	-	-	(NA)	(NA)
\$10,000 to \$24,999 .....	-	-	(NA)	(NA)
\$25,000 or more .....	-	-	(NA)	(NA)
Cotton .....	-	-	-	-
Average per farm <sup>1</sup> .....	(X)	-	(X)	-
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	-	-	(NA)	(NA)
\$10,000 to \$24,999 .....	-	-	(NA)	(NA)
\$25,000 or more .....	-	-	(NA)	(NA)
Peanuts, rye, rice, tobacco, and honey .....	3	(D)	(NA)	(NA)
Average per farm <sup>1</sup> .....	(X)	(D)	(X)	(X)
Farms with loans of—				
\$1 to \$999 .....	-	-	(NA)	(NA)
\$1,000 to \$9,999 .....	2	(D)	(NA)	(NA)
\$10,000 to \$24,999 .....	-	-	(NA)	(NA)
\$25,000 or more .....	1	(D)	(NA)	(NA)

<sup>1</sup>Data are in whole dollars.



**Table 7. Land Use and Acres Diverted: 1987, 1982, and 1978**

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

All farms	1987	Percent of total in 1987	1982	1978
Farms.....number..	6 216	100.0	5 401	4 946
Land in farms.....acres..	615 185	100.0	612 819	617 359
Total cropland.....farms..	5 654	91.0	4 941	4 645
.....acres..	272 588	44.3	265 866	276 686
Harvested cropland.....farms..	5 084	81.8	4 608	4 397
.....acres..	194 874	31.7	197 769	197 405
Farms by acres harvested:				
1 to 49 acres.....	4 028	64.8	3 501	3 222
1 to 9 acres.....	1 900	30.6	1 626	1 415
10 to 19 acres.....	965	15.5	759	688
20 to 29 acres.....	572	9.2	525	490
30 to 49 acres.....	591	9.5	591	629
50 to 99 acres.....	544	8.8	571	625
100 to 199 acres.....	336	5.4	356	389
200 to 499 acres.....	153	2.5	160	142
500 to 999 acres.....	21	.3	16	16
1,000 acres or more.....	2	(Z)	4	3
1,000 to 1,999 acres.....	1	(Z)	3	2
2,000 acres or more.....	1	(Z)	1	1
Cropland used only for pasture or grazing.....farms..	2 164	34.8	1 853	1 845
.....acres..	52 884	8.6	51 683	62 358
Other cropland.....farms..	1 267	20.4	903	1 021
.....acres..	24 830	4.0	16 414	16 923
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....farms..	362	5.8	284	305
.....acres..	6 986	1.1	4 785	4 112
Cropland on which all crops failed.....farms..	208	3.3	207	124
.....acres..	1 531	.2	1 954	837
Cropland in cultivated summer fallow.....farms..	73	1.2	81	106
.....acres..	946	.2	615	1 308
Cropland idle.....farms..	857	13.8	518	619
.....acres..	15 367	2.5	9 050	10 666
Total woodland.....farms..	3 382	54.4	3 273	2 982
.....acres..	225 442	36.6	252 050	252 134
Woodland pastured.....farms..	1 049	16.9	982	865
.....acres..	35 745	5.8	35 317	36 394
Woodland not pastured.....farms..	2 933	47.2	2 920	2 618
.....acres..	189 697	30.8	216 733	215 740
Pastureland and rangeland other than cropland and woodland pastured.....farms..	1 269	20.4	871	661
.....acres..	44 998	7.3	32 021	28 882
Land in house lots, ponds, roads, wasteland, etc.....farms..	4 123	66.3	3 732	3 261
.....acres..	72 157	11.7	62 882	59 657
Cropland under federal acreage reduction programs:				
Annual commodity acreage adjustment programs.....farms..	23	(X)	11	48
.....acres..	829	(X)	103	1 077
Conservation reserve program.....farms..	19	(X)	(NA)	(NA)
.....acres..	677	(X)	(NA)	(NA)

**Table 8. Land in Farms, Harvested Cropland, and Irrigated Land, by Size of Farm: 1987 and 1982**

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

All farms	Farms		Land in farms (acres)		Harvested cropland (acres)		Irrigated land (acres)	
	1987	1982	1987	1982	1987	1982	1987	1982
Land in farms .....	6 216	5 401	615 185	612 819	194 874	197 769	20 158	17 331
Farms by size:								
1 to 9 acres .....	1 105	920	4 911	(D)	1 798	(D)	722	505
10 to 49 acres .....	2 125	1 652	52 758	41 861	17 299	15 078	3 371	2 842
50 to 69 acres .....	587	490	33 925	28 228	10 962	9 403	1 399	1 362
70 to 99 acres .....	539	478	44 465	39 200	14 596	12 552	1 246	1 175
100 to 139 acres .....	566	521	65 401	60 479	19 876	19 381	1 974	1 644
140 to 179 acres .....	324	325	50 600	51 197	14 414	16 550	1 467	1 248
180 to 219 acres .....	264	271	52 297	53 637	16 492	18 843	983	747
220 to 259 acres .....	163	166	38 800	39 647	13 816	12 870	659	486
260 to 499 acres .....	386	419	134 194	146 526	44 663	46 841	3 657	3 110
500 to 999 acres .....	126	130	79 966	81 458	26 351	29 093	1 449	951
1,000 to 1,999 acres .....	26	21	34 020	27 230	8 500	8 055	(D)	804
2,000 acres or more .....	5	8	23 848	(D)	6 107	(D)	(D)	2 457
5,000 acres or more .....	1	2	(D)	(D)	(D)	(D)	(D)	(D)
Farms with harvested cropland.....	5 084	4 608	564 464	579 315	194 874	197 769	19 946	17 276
Farms by size:								
1 to 9 acres .....	742	637	3 306	(D)	1 798	(D)	706	501
10 to 49 acres .....	1 622	1 338	40 836	34 763	17 299	15 078	3 295	2 791
50 to 69 acres .....	512	420	29 702	24 272	10 962	9 403	1 399	1 362
70 to 99 acres .....	486	439	40 069	36 119	14 596	12 552	1 246	1 175
100 to 139 acres .....	510	485	58 946	56 294	19 876	19 381	1 854	1 644
140 to 179 acres .....	294	299	46 002	47 109	14 414	16 550	1 467	1 248
180 to 219 acres .....	249	266	49 438	52 622	16 492	18 843	983	747
220 to 259 acres .....	156	162	37 083	38 692	13 816	12 870	659	486
260 to 499 acres .....	364	408	127 106	142 675	44 663	46 841	3 657	3 110
500 to 999 acres .....	119	126	75 758	79 132	26 351	29 093	1 449	951
1,000 to 1,999 acres .....	25	20	32 370	25 330	8 500	8 055	(D)	804
2,000 acres or more .....	5	8	23 848	(D)	6 107	(D)	(D)	2 457
5,000 acres or more .....	1	2	(D)	(D)	(D)	(D)	(D)	(D)
Farms with irrigated land .....	1 316	1 000	109 552	90 084	32 005	25 283	20 158	17 331
Farms by size:								
1 to 9 acres .....	367	242	1 511	1 028	762	517	722	505
10 to 49 acres .....	484	380	11 831	9 603	4 258	3 648	3 371	2 842
50 to 69 acres .....	113	86	6 599	4 935	2 088	2 072	1 399	1 362
70 to 99 acres .....	78	75	6 323	5 949	2 295	1 917	1 246	1 175
100 to 139 acres .....	76	73	8 680	8 353	2 988	2 824	1 974	1 644
140 to 179 acres .....	52	37	8 059	5 814	2 635	2 009	1 467	1 248
180 to 219 acres .....	38	24	7 499	4 777	2 423	1 785	983	747
220 to 259 acres .....	26	14	6 113	3 350	2 081	727	659	486
260 to 499 acres .....	59	48	20 496	16 276	5 855	3 976	3 657	3 110
500 to 999 acres .....	13	14	7 687	8 776	2 433	1 775	1 449	951
1,000 to 1,999 acres .....	8	4	(D)	5 159	(D)	965	(D)	804
2,000 acres or more .....	2	3	(D)	16 074	(D)	3 068	(D)	2 457
5,000 acres or more .....	1		(D)	(D)	(D)	(D)	(D)	(D)

**Table 9. Irrigation: 1987, 1982, and 1978**

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

Farms with irrigation	1987	1982	1978	Farms with irrigation	1987	1982	1978
Farms .....	1 316	1 000	966	Irrigated land—Con.			
Proportion of farms .....	21.2	18.5	19.5	Acres irrigated—Con.			
				200 to 499 acres .....	farms... 10	8	4
					acres... (D)	(D)	(D)
				500 to 999 acres .....	farms... 1	1	1
					acres... (D)	(D)	(D)
				1,000 acres or more .....	farms... 1	1	1
					acres... (D)	(D)	(D)
Irrigated land .....	20 158	17 331	16 753	Irrigated land use:			
Average per farm .....	15	17	17	Harvested cropland .....	farms... 1 290	989	959
					acres... 19 566	17 012	16 588
Acres irrigated:				Pastureland and other land .....	farms... 60	31	(NA)
1 to 9 acres .....	farms... 888	651	613		acres... 592	319	165
	acres... 2 540	2 102	1 910	Land in irrigated farms .....	acres... 109 552	90 084	91 080
10 to 49 acres .....	farms... 358	288	289	Cropland .....	acres... 39 116	30 394	31 014
	acres... 7 675	6 292	6 149	Harvested cropland .....	acres... 32 005	25 283	25 721
50 to 99 acres .....	farms... 39	34	39				
	acres... 2 727	2 342	2 734				
100 to 199 acres .....	farms... 19	17	19				
	acres... 2 489	2 197	2 564				

**Table 10. Selected Characteristics of Irrigated and Nonirrigated Farms: 1987 and 1982**

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

Characteristics	All farms		Irrigated farms				Nonirrigated farms	
			Any land irrigated		All harvested cropland irrigated			
	1987	1982	1987	1982	1987	1982	1987	1982
Farms ----- number..	6 216	5 401	1 316	1 000	973	748	4 900	4 401
Land in farms ----- acres..	615 185	612 819	109 552	90 084	70 399	60 620	505 633	522 735
Value of land and buildings <sup>1</sup> :								
Average per farm ----- dollars..	346 530	205 677	399 533	275 900	362 252	271 437	330 201	188 243
Average per acre ----- dollars..	3 553	1 963	4 734	3 263	5 086	3 515	3 251	1 715
Irrigated land ----- acres..	20 158	17 331	20 158	17 331	15 671	13 704	(X)	(X)
Land in farms according to use:								
Total cropland ----- farms..	5 654	4 941	1 314	999	973	748	4 340	3 942
acres..	272 588	265 866	39 116	30 394	18 839	15 709	233 472	235 472
Harvested cropland ----- farms..	5 084	4 608	1 299	996	973	748	3 785	3 612
acres..	194 874	197 769	32 005	25 283	15 511	13 506	162 869	172 486
Pastureland, excluding woodland pastured ----- farms..	3 017	2 497	238	171	131	100	2 779	2 326
acres..	97 882	83 704	15 705	4 746	13 081	2 822	82 177	78 958
Land set aside in federal farm programs ----- farms..	42	(NA)	4	(NA)	-	(NA)	38	(NA)
acres..	1 506	(NA)	95	(NA)	-	(NA)	1 411	(NA)
Owned and rented land in farms:								
Owned land in farms ----- farms..	5 762	(NA)	1 206	(NA)	887	(NA)	4 556	(NA)
acres..	491 079	(NA)	93 950	(NA)	65 442	(NA)	397 129	(NA)
Rented or leased land in farms ----- farms..	1 903	1 876	363	(NA)	181	(NA)	1 540	(NA)
acres..	124 106	126 482	15 602	(NA)	4 957	(NA)	108 504	(NA)
Market value of agricultural products sold ----- \$1,000..	340 464	281 436	176 368	102 411	129 759	77 986	164 097	179 024
Average per farm ----- dollars..	54 772	52 108	134 018	102 411	133 360	104 259	33 489	40 678
Crops, including nursery and greenhouse crops ----- farms..	3 820	3 260	1 277	984	959	741	2 543	2 276
\$1,000..	215 855	139 428	173 841	100 572	129 574	77 510	42 014	38 856
Livestock, poultry, and their products ----- farms..	2 932	2 904	175	145	76	77	2 757	2 759
\$1,000..	124 609	142 008	2 527	1 840	185	476	122 082	140 168
Total farm production expenses <sup>1</sup> ----- \$1,000..	251 496	(NA)	115 599	(NA)	81 235	(NA)	135 897	(NA)
Average per farm ----- dollars..	40 460	(NA)	78 961	(NA)	75 921	(NA)	28 598	(NA)
Livestock and poultry purchased ----- farms..	1 559	1 636	113	(NA)	53	(NA)	1 446	(NA)
\$1,000..	11 441	11 468	253	(NA)	52	(NA)	11 188	(NA)
Feed for livestock and poultry ----- farms..	2 893	2 947	205	158	112	63	2 688	2 789
\$1,000..	33 525	47 203	890	856	130	(D)	32 635	46 348
Seeds, bulbs, plants, and trees ----- farms..	2 429	2 068	799	418	488	193	1 630	1 650
\$1,000..	6 227	5 996	4 418	4 143	2 667	2 244	1 810	1 853
Commercial fertilizer <sup>2</sup> ----- farms..	3 858	3 284	1 357	948	976	673	2 501	2 336
\$1,000..	8 953	7 155	3 938	2 220	2 643	1 314	5 015	4 934
Agricultural chemicals <sup>2</sup> ----- farms..	3 027	2 456	1 268	908	939	648	1 759	1 548
\$1,000..	7 319	4 885	4 835	2 692	3 482	1 987	2 483	2 194
Petroleum products ----- farms..	5 859	5 323	1 413	(NA)	1 031	(NA)	4 446	(NA)
\$1,000..	12 042	16 641	6 395	(NA)	4 426	(NA)	5 647	(NA)
Electricity ----- farms..	4 286	3 622	1 072	(NA)	728	(NA)	3 214	(NA)
\$1,000..	5 959	5 874	2 150	(NA)	1 530	(NA)	3 809	(NA)
Hired farm labor ----- farms..	2 185	2 412	851	563	596	334	1 334	1 849
\$1,000..	66 579	43 109	42 868	19 036	29 424	13 044	23 711	24 073
Contract labor ----- farms..	1 025	429	435	223	346	156	590	206
\$1,000..	7 906	2 604	5 600	1 746	4 052	1 256	2 306	858
Repairs and maintenance ----- farms..	5 222	(NA)	1 294	(NA)	945	(NA)	3 928	(NA)
\$1,000..	16 873	(NA)	7 890	(NA)	5 324	(NA)	8 983	(NA)
Customwork, machine hire, and rental of machinery and equipment <sup>3</sup> ----- farms..	1 276	1 224	452	(NA)	340	(NA)	824	(NA)
\$1,000..	3 570	3 517	2 599	(NA)	2 082	(NA)	971	(NA)
Interest <sup>4</sup> ----- farms..	1 981	1 803	607	424	426	265	1 374	1 379
\$1,000..	13 788	10 141	6 717	2 881	5 206	2 003	7 071	7 259
Cash rent paid for land and buildings ----- farms..	1 092	(NA)	246	(NA)	112	(NA)	846	(NA)
\$1,000..	3 848	(NA)	1 450	(NA)	674	(NA)	2 398	(NA)
Property taxes paid ----- farms..	5 817	(NA)	1 363	(NA)	978	(NA)	4 454	(NA)
\$1,000..	15 219	(NA)	5 913	(NA)	4 681	(NA)	9 306	(NA)
All other farm production expenses ----- farms..	5 700	(NA)	1 431	(NA)	1 054	(NA)	4 269	(NA)
\$1,000..	38 248	(NA)	19 684	(NA)	14 862	(NA)	18 564	(NA)
Commodity Credit Corporation loans ----- farms..	8	3	-	(NA)	-	(NA)	8	(NA)
\$1,000..	159	(D)	-	(NA)	-	(NA)	159	(NA)
Government payments received ----- farms..	400	(NA)	59	(NA)	14	(NA)	341	(NA)
\$1,000..	2 213	(NA)	130	(NA)	16	(NA)	2 084	(NA)
Other farm-related income <sup>1</sup> ----- farms..	1 361	(NA)	295	(NA)	149	(NA)	1 066	(NA)
\$1,000..	5 802	(NA)	1 448	(NA)	939	(NA)	4 354	(NA)
Estimated market value of all machinery and equipment <sup>1</sup> ----- farms..	6 207	5 394	1 464	1 073	1 070	756	4 743	4 321
\$1,000..	198 868	153 346	75 213	45 334	54 329	31 148	123 655	108 012
Average per farm ----- dollars..	32 039	28 429	51 375	42 250	50 774	41 200	26 071	24 997
Inventory of livestock:								
Cattle and calves ----- farms..	2 112	2 311	83	82	25	30	2 029	2 229
number..	83 065	102 366	1 941	1 137	289	(D)	81 124	101 229
Milk cows ----- farms..	838	1 111	25	14	5	5	813	1 097
number..	36 913	49 891	702	382	16	40	36 211	49 509
Hogs and pigs ----- farms..	498	619	35	54	13	23	463	565
number..	25 816	39 570	473	1 273	99	416	25 343	38 297
Sheep and lambs ----- farms..	604	452	45	38	23	24	559	414
number..	14 761	9 846	626	385	195	146	14 135	9 461

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Data for 1987 include cost of custom applications.

<sup>3</sup>Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.

<sup>4</sup>Data for 1982 do not include imputation for item nonresponse.

**Table 11. Value of Land and Buildings: 1987, 1982, and 1978**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Value of land and buildings	1987		1982	1978
	Farms	Value (\$1,000)		
Estimated market value of land and buildings ----- farms.....	6 216	(X)	5 400	4 946
Average per farm ----- \$1,000.....	(X)	2 154 033	1 110 655	906 797
Average per acre ----- dollars.....	(X)	346 530	205 677	183 339
Average per acre ----- dollars.....	(X)	3 553	1 963	1 443
<b>Farms by value group:</b>				
\$1 to \$39,999 .....	640	13 695	753	937
\$40,000 to \$69,999 .....	488	25 532	805	881
\$70,000 to \$99,999 .....	455	37 773	654	593
\$100,000 to \$149,999 .....	771	88 545	895	761
\$150,000 to \$199,999 .....	761	126 414	619	442
\$200,000 to \$499,999 .....	1 921	571 344	1 240	981
\$500,000 to \$999,999 .....	786	523 070	286	241
\$1,000,000 to \$1,999,999 .....	268	322 330		
\$2,000,000 to \$4,999,999 .....	114	297 672	148	110
\$5,000,000 or more .....	12	147 658		

**Table 12. Value of Machinery and Equipment on Place: 1987 and 1982**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Value of machinery and equipment	1987		1982	
	Farms	Value (\$1,000)	Farms	Value (\$1,000)
Estimated market value of all machinery and equipment -----	6 207	198 868	5 394	153 346
Average per farm <sup>1</sup> -----	(X)	32 039	(X)	28 429
<b>By value group:</b>				
\$1 to \$4,999 .....	679	1 753	604	1 792
\$5,000 to \$9,999 .....	1 426	9 315	1 439	9 385
\$10,000 to \$19,999 .....	1 271	16 641	1 266	16 557
\$20,000 to \$29,999 .....	1 023	23 754	668	15 419
\$30,000 to \$49,999 .....	678	24 536	536	19 641
\$50,000 to \$69,999 .....	451	24 922	366	20 317
\$70,000 to \$99,999 .....	253	20 346	222	17 669
\$100,000 to \$199,999 .....	327	41 448	217	27 460
\$200,000 to \$499,999 .....	86	23 405	68	(D)
\$500,000 to \$999,999 .....	9	5 549		(D)
\$1,000,000 or more .....	4	7 200	8	(D)

<sup>1</sup>Data are in whole dollars.

**Table 13. Selected Machinery and Equipment on Place: 1987 and 1982**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Selected machinery and equipment	1987						1982		
	Total		Manufactured 1983 to 1987		Manufactured prior to 1983		Farms	Number	Number manufactured 1978 to 1982
	Farms	Number	Farms	Number	Farms	Number			
Motortrucks, including pickups .....	5 204	10 957	2 062	2 779	4 224	8 178	4 503	9 376	2 220
2 or 3 .....	1 838	4 281	360	813	1 468	3 409	1 765	4 016	(D)
4 or more .....	691	4 001	53	317	431	2 444	537	3 159	(D)
Wheel tractors .....	5 360	13 160	1 370	1 901	4 822	11 259	4 248	9 956	1 272
2 or 3 .....	2 407	5 742	311	698	2 124	4 978	1 929	4 535	424
4 or more .....	1 017	5 482	35	179	832	4 415	783	3 885	106
Less than 40 horsepower (PTO) .....	4 235	7 624	754	872	3 731	6 752	(NA)	(NA)	(NA)
40 horsepower (PTO) or more .....	2 915	5 536	798	1 029	2 522	4 507	(NA)	(NA)	(NA)
Grain and bean combines <sup>1</sup> .....	52	60	6	6	46	54	21	23	4
Cottonpickers and strippers .....									
Mower conditioners .....	1 586	1 783	515	552	1 103	1 231	1 398	1 533	408
Pickup balers .....	1 820	1 993	228	244	1 639	1 749	1 604	1 704	251

<sup>1</sup>Data for 1982 include self-propelled only.

**Table 14. Petroleum Products Expenses: 1987, 1982, and 1978**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	1987		1982	1978
	Farms	Expenses (\$1,000)		
Petroleum products ----- farms..	5 859	(X)	5 323	4 900
\$1,000..	(X)	12 042	16 641	11 733
Average per farm ----- dollars..	(X)	2 055	3 126	2 394
Gasoline and gasohol ----- farms..	5 243	(X)	5 034	4 706
\$1,000..	(X)	5 325	6 750	4 641
Average per farm ----- dollars..	(X)	1 016	1 341	986
Farms with expenses of--				
\$1 to \$499 .....	2 945	554	2 581	2 486
\$500 to \$999 .....	806	517	726	834
\$1,000 to \$1,999 .....	723	912	729	766
\$2,000 to \$4,999 .....	613	1 613	726	507
\$5,000 to \$9,999 .....	105	672	199	76
\$10,000 to \$24,999 .....	42	560		7
\$25,000 or more .....	9	497	73	37
Diesel fuel ----- farms..	2 743	(X)	2 028	1 550
\$1,000..	(X)	2 585	2 465	1 072
Average per farm ----- dollars..	(X)	942	1 216	692
Farms with expenses of--				
\$1 to \$499 .....	1 669	321	1 053	971
\$500 to \$999 .....	467	296	370	302
\$1,000 to \$1,999 .....	279	373	278	153
\$2,000 to \$4,999 .....	240	656	234	100
\$5,000 to \$9,999 .....	59	410	60	16
\$10,000 to \$24,999 .....	22	320		
\$25,000 or more .....	7	209	33	8
Natural gas ----- farms..	175	(X)	103	94
\$1,000..	(X)	841	872	165
Average per farm ----- dollars..	(X)	4 807	8 469	1 755
Farms with expenses of--				
\$1 to \$99 .....	39	1	3	14
\$100 to \$499 .....	21	8	32	39
\$500 to \$999 .....	22	12	10	12
\$1,000 to \$1,999 .....	30	41	12	13
\$2,000 to \$4,999 .....	27	90	17	10
\$5,000 to \$9,999 .....	20	124		
\$10,000 or more .....	16	566	29	6
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	3 773	(X)	(NA)	(NA)
\$1,000..	(X)	3 291	6 553	5 854
Average per farm ----- dollars..	(X)	872	(NA)	(NA)
Farms with expenses of--				
\$1 to \$99 .....	1 490	70	(NA)	(NA)
\$100 to \$499 .....	1 384	292	(NA)	(NA)
\$500 to \$999 .....	418	276	(NA)	(NA)
\$1,000 to \$1,999 .....	251	320	(NA)	(NA)
\$2,000 to \$4,999 .....	118	325	(NA)	(NA)
\$5,000 to \$9,999 .....	50	358	(NA)	(NA)
\$10,000 or more .....	52	1 650	(NA)	(NA)

**Table 15. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987, 1982, and 1978**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	1987	1982	1978	Chemicals used	1987	1982	1978
Any chemicals, fertilizer, or lime used ----- farms..	4 391	3 656	3 899	Any chemicals, fertilizer, or lime used--Con.			
Commercial fertilizer <sup>1</sup> ----- farms..	3 858	3 284	3 585	Sprays, dusts, granules, fumigants, etc., to control--			
acres on which used..	138 832	138 567	149 706	Insects on hay and other crops ----- farms..	2 049	1 760	1 527
\$1,000..	8 953	7 155	7 148	acres on which used..	49 252	45 480	39 772
Lime ----- farms..	1 339	1 464	1 543	Nematodes in crops ----- farms..	152	166	183
acres on which used..	23 208	27 222	37 781	acres on which used..	5 212	4 087	4 797
tons..	33 838	44 149	60 032	Diseases in crops and orchards ----- farms..	1 093	832	997
Farms by tons used:				acres on which used..	25 050	20 104	21 106
1 to 49 tons .....	1 155	1 218	1 183	Weeds, grass, or brush in crops and pasture ----- farms..	1 690	1 514	1 740
50 to 99 tons .....	124	140	207	acres on which used..	57 337	57 111	59 379
100 to 199 tons .....	39	72	114	Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms..	255	239	201
200 to 499 tons .....	20	34	35	acres on which used..	5 928	6 463	(D)
500 to 999 tons .....	1	-	3				
1,000 tons or more .....	-	-	1				
Agricultural chemicals <sup>1</sup> ----- farms..	3 027	2 456	3 260				
\$1,000..	7 319	4 885	3 882				

<sup>1</sup>Data for 1987 include cost of custom applications; data for agricultural chemicals exclude the cost of lime for 1987 and 1982.

**Table 16. Tenure and Characteristics of Operator and Type of Organization for All Farms and Farms Operated by Black and Other Races: 1987, 1982, and 1978**

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

Characteristics	All farms			Farms operated by Black and other races <sup>1</sup>		
	1987	1982	1978	1987	1982	1978
<b>Tenure of operator:</b>						
All operators ----- farms..	6 216	5 401	4 946	26	25	27
acres..	615 185	612 819	617 359	1 822	(D)	(D)
Harvested cropland ----- farms..	5 084	4 608	4 397	22	22	24
acres..	194 874	197 769	197 405	485	303	476
Full owners ----- farms..	4 313	3 521	3 160	19	23	19
acres..	348 117	303 952	294 981	1 059	(D)	1 030
Harvested cropland ----- farms..	3 377	2 887	2 705	15	20	18
acres..	73 627	66 272	62 890	142	(D)	250
Part owners ----- farms..	1 449	1 481	1 465	4	2	6
acres..	231 033	279 378	297 490	258	(D)	(D)
Harvested cropland ----- farms..	1 339	1 396	1 418	4	2	4
acres..	105 444	118 409	123 472	180	(D)	(D)
Tenants ----- farms..	454	399	321	3	-	2
acres..	36 035	29 489	24 888	505	-	(D)
Harvested cropland ----- farms..	368	325	274	3	-	2
acres..	15 803	13 088	11 043	163	-	(D)
Percent of tenancy ----- percent..	7.3	7.4	6.5	11.5	-	7.4
<b>Operators by place of residence:</b>						
On farm operated -----	4 918	4 228	3 860	16	17	17
Not on farm operated -----	960	784	718	8	6	8
Not reported -----	338	389	368	2	2	2
<b>Operators by principal occupation:</b>						
Farming -----	3 174	2 941	2 852	13	12	14
Other -----	3 042	2 460	2 094	13	13	13
<b>Operators by days of work off farm:</b>						
None -----	2 371	2 121	2 197	8	6	9
Any -----	3 516	2 897	2 520	16	16	15
1 to 49 days -----	374	271	262	3	2	-
50 to 99 days -----	178	202	147	-	1	1
100 to 149 days -----	245	225	183	-	3	2
150 to 199 days -----	436	361	305	1	1	-
200 days or more -----	2 283	1 838	1 623	12	9	12
Not reported -----	329	383	229	2	3	3
<b>Operators by years on present farm:</b>						
2 years or less -----	249	311	(NA)	2	2	(NA)
3 or 4 years -----	449	508	(NA)	2	3	(NA)
5 to 9 years -----	1 165	884	(NA)	8	11	(NA)
10 years or more -----	3 421	2 792	(NA)	11	5	(NA)
Average years on present farm -----	18.8	18.2	(NA)	15.9	9.8	(NA)
Not reported -----	932	906	(NA)	3	4	(NA)
<b>Operators by age group:</b>						
Under 25 years -----	50	64	69	-	-	-
25 to 34 years -----	590	681	518	2	4	4
35 to 44 years -----	1 477	1 163	853	6	8	5
45 to 49 years -----	667	1 118	1 137	6	3	10
50 to 54 years -----	642	1 260	1 386	1	4	5
55 to 59 years -----	642	1 260	1 386	1	4	5
60 to 64 years -----	663	1 115	983	3	6	3
65 to 69 years -----	595	1 115	983	1	6	3
70 years and over -----	870	1 115	983	6	6	3
Average age -----	52.6	51.5	52.5	53.0	49.2	48.5
<b>Operators by sex:</b>						
Male ----- farms..	5 415	4 831	4 563	18	23	26
acres..	571 616	570 447	584 605	1 540	(D)	(D)
Female ----- farms..	801	570	383	8	2	1
acres..	43 589	42 372	32 754	282	(D)	(D)
<b>Operators of Spanish origin (see text) ----- farms..</b>	24	13	17	3	-	2
acres..	2 019	1 428	809	382	-	(D)
<b>Operators not of Spanish origin ----- farms..</b>	4 197	(NA)	(NA)	12	(NA)	(NA)
Spanish origin not reported ----- farms..	1 995	(NA)	(NA)	11	(NA)	(NA)
<b>Type of organization:</b>						
Individual or family (sole proprietorship) ----- farms..	5 124	4 541	4 087	23	24	21
acres..	431 487	429 422	429 461	1 723	(D)	1 504
Partnership ----- farms..	481	377	439	-	-	2
acres..	73 006	63 463	72 643	-	-	(D)
Corporation ----- farms..	544	413	358	3	1	3
acres..	86 535	91 378	86 397	99	(D)	104
Family held:						
More than 10 stockholders ----- farms..	4	7	6	-	-	-
acres..	1 790	(D)	3 270	-	-	-
10 or less stockholders ----- farms..	489	358	312	3	1	2
acres..	79 707	(D)	62 178	99	(D)	(D)
Other than family held:						
More than 10 stockholders ----- farms..	6	8	16	-	-	-
acres..	1 300	1 955	19 132	-	-	-
10 or less stockholders ----- farms..	45	40	24	-	-	1
acres..	3 738	6 824	1 817	-	-	(D)
Other--cooperative, estate or trust, institutional, etc. ----- farms..	67	70	62	-	-	1
acres..	24 157	28 556	28 858	-	-	(D)

<sup>1</sup>For classification of social and ethnic groups, see text.

**Table 17. Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1987 and 1982**

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

Characteristics	Female operators	Operators of Spanish origin <sup>1</sup>	Farms operated by Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
<b>FARMS AND LAND IN FARMS</b>							
Farms..... number, 1987..	801	24	26	11	1	6	8
..... 1982..	570	13	25	17	6	2	-
Land in farms..... acres, 1987..	43 569	2 019	1 822	533	(D)	(D)	990
..... 1982..	42 372	1 428	(D)	836	(D)	(D)	-
Harvested cropland..... farms, 1987..	474	24	22	9	-	5	8
..... 1982..	403	11	22	15	5	2	-
..... acres, 1987..	9 581	745	485	83	-	64	338
..... 1982..	10 396	387	303	229	(D)	(D)	-
<b>1987 FARMS BY SIZE</b>							
1 to 9 acres.....	223	1	2	-	-	2	-
10 to 49 acres.....	325	11	13	8	1	1	3
50 to 139 acres.....	164	8	8	3	-	3	2
140 to 219 acres.....	52	2	2	-	-	-	2
220 to 499 acres.....	33	1	1	-	-	-	1
500 acres or more.....	4	1	-	-	-	-	-
<b>1987 OWNED AND RENTED LAND IN FARMS</b>							
Owned land in farms..... farms.....	751	24	23	10	1	5	7
..... acres.....	38 500	1 795	1 234	455	(D)	(D)	(D)
Rented or leased land in farms..... farms.....	165	10	7	3	-	1	3
..... acres.....	5 069	224	588	78	-	(D)	(D)
<b>TENURE OF OPERATOR</b>							
Full owners..... farms, 1987..	636	14	19	8	1	5	5
..... 1982..	432	5	23	15	6	2	-
..... acres, 1987..	31 069	1 257	1 059	420	(D)	(D)	343
..... 1982..	29 030	(D)	(D)	(D)	(D)	(D)	-
Part owners..... farms, 1987..	115	10	4	2	-	-	2
..... 1982..	101	6	2	2	-	-	-
..... acres, 1987..	11 064	762	258	(D)	-	-	(D)
..... 1982..	12 358	1 299	(D)	(D)	-	-	-
Tenants..... farms, 1987..	50	-	3	1	-	1	1
..... 1982..	37	2	-	-	-	-	-
..... acres, 1987..	1 436	-	505	(D)	-	(D)	(D)
..... 1982..	984	(D)	-	-	-	-	-
<b>1987 FARMS BY TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship).....	717	18	23	10	1	6	6
Partnership.....	35	2	-	-	-	-	-
Family held corporation.....	35	2	3	1	-	-	2
Other than family held corporation.....	6	1	-	-	-	-	-
Other—cooperative, estate or trust, institutional, etc.....	8	1	-	-	-	-	-
<b>1987 MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales..... farms.....	801	24	26	11	1	6	8
..... \$1,000.....	13 252	1 478	1 078	141	(D)	(D)	855
Crops, including nursery and greenhouse crops..... farms.....	335	17	14	7	-	5	2
..... \$1,000.....	9 835	1 073	219	(D)	-	(D)	(D)
Livestock, poultry, and their products..... farms.....	420	4	10	3	1	2	4
..... \$1,000.....	3 416	406	859	(D)	(D)	(D)	(D)
Farms by value of sales:							
Less than \$2,500.....	401	10	7	3	-	1	3
\$2,500 to \$9,999.....	218	5	5	2	-	2	1
\$10,000 to \$19,999.....	68	3	6	2	1	2	1
\$20,000 to \$24,999.....	19	-	4	3	-	1	-
\$25,000 or more.....	95	6	4	1	-	-	3
<b>1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011).....	1	-	-	-	-	-	-
Field crops, except cash grains (013).....	78	5	2	2	-	-	-
Cotton (0131).....	-	-	-	-	-	-	-
Tobacco (0132).....	1	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139).....	77	5	2	2	-	-	-
Vegetables and melons (016).....	45	3	1	-	-	1	-
Fruits and tree nuts (017).....	94	5	9	5	-	2	2
Horticultural specialties (018).....	70	4	-	-	-	-	-
General farms, primarily crop (019).....	31	3	2	1	-	-	1
Livestock, except dairy, poultry, and animal specialties (021).....	176	2	6	2	1	2	1
Beef cattle, except feedlots (0212).....	71	-	2	-	-	2	-
Dairy farms (024).....	29	2	3	1	-	-	2
Poultry and eggs (025).....	12	-	1	-	-	-	1
Animal specialties (027).....	254	-	2	-	-	1	1
General farms, primarily livestock and animal specialties (029).....	11	-	-	-	-	-	-

See footnotes at end of table.

**Table 17. Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1987 and 1982—Con.**

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

Characteristics	Female operators	Operators of Spanish origin <sup>1</sup>	Farms operated by Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
<b>1987 OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated .....	681	14	16	6	1	5	4
Not on farm operated .....	93	10	8	4	-	1	3
Not reported .....	27	-	2	1	-	-	1
Operators by principal occupation:							
Farming .....	422	12	13	7	1	1	4
Other .....	379	12	13	4	-	5	4
Operators by days of work off farm:							
None .....	342	12	8	4	-	1	3
Any .....	640	23	16	9	2	8	9
1 to 99 days .....	89	1	3	-	-	2	1
100 to 199 days .....	325	11	11	5	1	3	4
200 days or more .....	226	11	12	4	1	3	4
Not reported .....	45	-	2	2	-	-	-
Operators by years on present farm:							
2 years or less .....	54	1	2	-	-	2	-
3 or 4 years .....	92	3	2	-	-	-	2
5 to 9 years .....	200	3	8	2	-	4	2
10 years or more .....	356	13	11	7	1	-	3
Average years on present farm .....	14.7	17.5	15.9	22.8	(D)	5.5	16.7
Not reported .....	99	4	3	2	-	-	1
Operators by age group:							
Under 25 years .....	13	1	-	-	-	-	-
25 to 34 years .....	87	2	2	1	-	-	1
35 to 44 years .....	260	5	6	1	1	2	2
45 to 54 years .....	160	7	7	2	-	3	2
55 to 59 years .....	65	2	1	-	-	1	-
60 to 64 years .....	68	3	3	3	-	-	-
65 to 69 years .....	49	3	1	-	-	-	1
70 years and over .....	99	1	6	4	-	-	2
Average age .....	49.9	50.0	53.0	57.9	(D)	47.0	52.5
Operators by sex:							
Male .....	(X)	21	18	6	-	5	7
Female .....	801	3	8	5	1	1	1
Operators of Spanish origin <sup>1</sup> .....	3	24	3	1	-	-	2
<b>1987 COMMODITY CREDIT CORPORATION LOANS AND GOVERNMENT PAYMENTS</b>							
Amount received from Commodity Credit Corporation loans .....	farms	-	-	-	-	-	-
\$1,000 .....	-	-	-	-	-	-	-
Government payments received .....	farms	36	1	-	-	-	-
\$1,000 .....	33	(D)	-	-	-	-	-

<sup>1</sup>See chapter 1, table 16 for operators not of or not reporting Spanish origin.



**Table 18. Selected Characteristics of Farms by Standard Industrial Classification: 1987**

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

SIC code	Farms	Land in farms (acres)	Harvested cropland (acres)	Value of selected capital assets <sup>1</sup> , average per farm (dollars)		Market value of agricultural products sold (\$1,000)		
				Land and buildings	Machinery and equipment	Total	Crops, including nursery and greenhouse crops	Livestock, poultry, and their products
<b>Total</b> .....	<b>6 216</b>	<b>615 185</b>	<b>194 874</b>	<b>346 530</b>	<b>32 039</b>	<b>340 464</b>	<b>215 855</b>	<b>124 609</b>
Crops (01).....	3 538	301 580	96 390	483 995	57 454	214 445	212 675	1 769
Cash grains (011).....	25	5 987	2 813	577 813	60 975	607	579	28
Wheat (0111).....	1	(D)	(D)	-	-	(D)	(D)	-
Rice (0112).....	-	-	-	-	-	-	-	-
Corn (0115).....	21	(D)	(D)	612 923	62 893	(D)	(D)	(D)
Soybeans (0116).....	-	-	-	-	-	-	-	-
Cash grains, n.e.c. (0119).....	3	840	564	425 667	52 667	114	(D)	(D)
Field crops, except cash grains (013).....	975	124 046	41 850	479 671	36 154	14 290	13 360	930
Cotton (0131).....	-	-	-	-	-	-	-	-
Tobacco (0132).....	14	2 028	763	447 692	68 004	4 629	(D)	(D)
Sugarcane and sugar beets (0133).....	-	-	-	-	-	-	-	-
Irish potatoes (0134).....	23	6 440	2 706	1 034 091	158 647	3 603	(D)	(D)
Field crops, except cash grains, n.e.c. (0139).....	938	115 578	38 381	452 610	27 726	6 058	5 411	646
Vegetables and melons (016).....	678	37 568	17 238	376 033	51 711	24 925	24 624	300
Fruits and tree nuts (017).....	956	93 584	23 339	586 963	77 015	91 541	91 430	111
Berry crops (0171).....	630	65 369	13 341	622 606	88 352	75 547	75 523	24
Grapes (0172).....	13	535	134	98 143	11 429	77	77	-
Tree nuts (0173).....	-	-	-	-	-	-	-	-
Citrus fruits (0174).....	-	-	-	-	-	-	-	-
Deciduous tree fruits (0175).....	253	24 392	9 239	605 153	61 309	15 643	15 575	68
Fruits and tree nuts, n.e.c. (0179).....	60	3 288	625	168 389	10 408	274	255	19
Horticultural specialties (018).....	630	17 303	5 116	483 782	62 761	79 985	79 946	39
Ornamental floriculture and nursery products (0181).....	621	16 886	5 101	483 888	60 358	79 063	(D)	(D)
Food crops grown under cover (0182).....	9	417	15	475 333	255 000	923	(D)	(D)
General farms, primarily crop (019).....	274	23 092	6 034	256 444	22 748	3 096	2 735	361
Livestock and animal specialties (02).....	2 678	313 605	98 484	594 815	52 748	126 020	3 180	122 840
Livestock, except dairy, poultry, and animal specialties (021).....	1 233	113 821	23 271	345 355	26 302	10 428	579	9 848
Beef cattle feedlots (0211).....	139	15 850	4 485	501 400	(D)	1 365	32	1 332
Beef cattle, except feedlots (0212).....	585	57 295	12 746	368 053	21 759	3 502	319	3 183
Hogs (0213).....	172	12 294	2 072	195 542	40 681	4 103	112	3 991
Sheep and goats (0214).....	267	21 041	1 770	389 018	14 941	941	24	917
General livestock, except dairy, poultry, and animal specialties (0219).....	70	7 341	2 198	249 533	(D)	517	93	424
Dairy farms (024).....	556	152 045	(D)	(D)	84 885	69 892	1 668	68 224
Poultry and eggs (025).....	134	8 090	(D)	(D)	68 467	22 711	214	22 498
Broiler, fryer, and roaster chickens (0251).....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chicken eggs (0252).....	92	5 919	603	369 487	92 289	19 915	92	19 823
Turkeys and turkey eggs (0253).....	21	1 134	269	300 000	34 792	2 189	75	2 114
Poultry hatcheries (0254).....	-	-	-	-	-	-	-	-
Poultry and eggs, n.e.c. (0259).....	19	(D)	106	(D)	(D)	(D)	(D)	(D)
Animal specialties (027).....	676	28 179	3 109	283 190	24 342	20 831	139	20 692
Fur-bearing animals and rabbits (0271).....	28	284	(D)	160 833	19 000	825	(D)	(D)
Horses and other equines (0272).....	607	26 325	2 915	306 662	22 148	5 435	94	5 341
Animal aquaculture (0273).....	5	655	(D)	235 667	10 667	446	44	402
Animal specialties, n.e.c. (0279).....	36	915	47	102 714	52 121	14 125	(D)	(D)
General farms, primarily livestock and animal specialties (029).....	79	11 470	2 689	3 875 600	89 613	2 158	580	1 578

<sup>1</sup>Data are based on a sample of farms.

**Table 19. Selected Characteristics of Abnormal Farms: 1987 and 1982**

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

Characteristics	1987	1982	Characteristics	1987	1982
Farms ----- number...	17	17	Market value of agricultural products sold ----- \$1,000...	(D)	1 349
Land in farms ----- acres...	11 224	8 227	Average per farm ----- dollars...	(D)	79 352
Average size of farm ----- acres...	860	484	Crops, including nursery and greenhouse crops ----- \$1,000...	(D)	247
Value of land and buildings <sup>1</sup> ----- \$1,000...	40 127	12 464	Livestock, poultry, and their products ----- \$1,000...	1 849	1 102
Average per farm ----- dollars...	2 360 412	733 176	Total farm production expenses <sup>1</sup> ----- \$1,000...	1 815	(NA)
Average per acre ----- dollars...	3 575	1 515	Average per farm ----- dollars...	106 781	(NA)
Estimated market value of all machinery and equipment <sup>1</sup> ----- \$1,000...	1 945	1 588	Tenure of operator:		
Land in farms according to use:			Full owners -----	9	11
Total cropland ----- farms...	15	16	Part owners -----	8	6
Harvested cropland ----- farms...	5 541	2 718	Tenants -----	-	-
Cropland used only for pasture or grazing ----- farms...	15	16	Abnormal farms by standard industrial classification:		
Other cropland ----- farms...	2 649	2 004	Cash grains (011) -----	-	-
Woodland ----- farms...	8	8	Field crops, except cash grains (013) -----	1	-
Woodland pastured ----- farms...	(D)	575	Cotton (0131) -----	-	-
Woodland not pastured ----- farms...	8	(NA)	Tobacco (0132) -----	-	-
Acres...	(D)	139	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) -----	1	-
Total woodland ----- farms...	11	11	Vegetables and melons (016) -----	2	1
Woodland pastured ----- farms...	3 216	4 594	Fruits and tree nuts (017) -----	2	3
Woodland not pastured ----- farms...	2	4	Horticultural specialties (018) -----	-	1
Acres...	(D)	99	General farms, primarily crop (019) -----	-	-
Acres...	10	11	Livestock, except dairy, poultry, and animal specialties (021) -----	1	1
Acres...	(D)	4 495	Beef cattle, except feedlots (0212) -----	1	-
Pastureland and rangeland other than cropland and woodland pastured ----- farms...	6	5	Dairy farms (024) -----	6	7
Acres...	1 657	323	Poultry and eggs (025) -----	1	1
Land in house lots, ponds, roads, wasteland, etc. ----- farms...	12	11	Animal specialties (027) -----	-	-
Acres...	810	592	General farms, primarily livestock and animal specialties (029) -----	4	3
Irrigated land ----- farms...	7	3			
Acres...	45	23			

<sup>1</sup>Data are based on a sample of farms.

**Table 20. Livestock and Poultry—Inventory and Sales: 1987, 1982, and 1978**

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

Item		Inventory			Sales		
		Farms	Number	Value <sup>1</sup> (\$1,000)	Farms	Number	Value (\$1,000)
Livestock and poultry	1987	3 827	(X)	69 920	2 932	(X)	124 609
	1982	3 483	(X)	85 367	2 904	(X)	142 008
	1978	2 990	(X)	64 976	2 631	(X)	111 915
Poultry	1987	877	(X)	3 455	498	(X)	23 149
	1982	870	(X)	3 438	508	(X)	25 456
	1978	804	(X)	3 465	458	(X)	18 504
Livestock	1987	3 693	(X)	66 465	2 773	(X)	101 460
	1982	3 354	(X)	81 929	2 723	(X)	116 552
	1978	2 831	(X)	61 511	2 453	(X)	93 411
Any cattle, hogs, or sheep	1987	2 569	(X)	54 521	2 270	(X)	16 401
	1982	2 663	(X)	76 670	2 349	(X)	17 153
	1978	2 359	(X)	59 813	2 125	(X)	17 667
Cattle and calves	1987	2 112	83 065	50 618	1 725	39 668	11 297
	1982	2 311	102 366	72 124	1 908	47 034	12 212
	1978	2 073	96 951	55 227	1 803	51 782	12 181
Cows and heifers that had calved	1987	1 757	46 605	36 144	(NA)	(NA)	(NA)
	1982	1 922	58 067	54 715	(NA)	(NA)	(NA)
	1978	1 790	57 136	42 566	(NA)	(NA)	(NA)
Beef cows	1987	1 124	9 692	5 137	(NA)	(NA)	(NA)
	1982	1 071	8 176	4 824	(NA)	(NA)	(NA)
	1978	904	7 408	3 778	(NA)	(NA)	(NA)
Milk cows	1987	838	36 913	31 007	(NA)	(NA)	(NA)
	1982	1 111	49 891	49 891	(NA)	(NA)	(NA)
	1978	1 156	49 728	38 788	(NA)	(NA)	(NA)
Hogs and pigs	1987	498	25 816	2 220	387	40 048	4 220
	1982	619	39 570	3 502	451	44 391	4 497
	1978	628	54 586	4 176	435	61 181	5 255
Feeder pigs sold	1987	(X)	(X)	(X)	96	9 091	374
	1982	(X)	(X)	(X)	127	7 363	270
	1978	(X)	(X)	(X)	145	12 010	390
Sheep and lambs <sup>2</sup>	1987	604	14 761	1 683	493	11 548	884
	1982	452	9 846	1 044	338	5 705	445
	1978	327	6 515	410	239	3 908	230
Horses and ponies	1987	1 608	11 944	11 944	421	1 230	5 626
	1982	1 161	8 765	5 259	311	1 050	3 299
	1978	906	5 658	1 697	235	868	979
Chickens 3 months old or older <sup>3</sup>	1987	738	1 502 202	3 354	141	1 149 575	(NA)
	1982	727	1 276 406	3 291	190	1 167 461	(NA)
	1978	685	1 465 853	3 160	230	1 070 836	(NA)
Hens and pullets of laying age	1987	733	1 251 356	3 003	128	944 720	(NA)
	1982	721	1 183 226	3 076	182	990 441	(NA)
	1978	671	1 282 043	2 885	225	967 069	(NA)
Broilers and other meat-type chickens	1987	101	13 561	10	37	(D)	(NA)
	1982	116	23 054	14	48	162 904	(NA)
	1978	94	55 432	34	41	163 218	(NA)
Turkeys	1987	148	13 902	90	86	153 714	(NA)
	1982	143	23 015	133	82	156 435	(NA)
	1978	83	36 006	271	62	137 562	(NA)

<sup>1</sup>Data are estimated; see text.

<sup>2</sup>Value of sales includes sheep, lambs, and wool sold.

<sup>3</sup>Sales for 1987 include pullets of less than 3 months old.

**Table 21. Poultry—Inventory and Sales: 1987 and 1982**

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

Item	1987		1982		Item	1987		1982	
	Farms	Number	Farms	Number		Farms	Number	Farms	Number
<b>INVENTORY</b>					<b>SALES</b>				
Chickens 3 months old or older	738	1 502 202	727	1 276 406	Hens and pullets <sup>1</sup>	141	1 149 575	190	1 167 461
Farms with—					Farms with—				
1 to 3,199	711	75 137	689	82 772	1 to 3,199	113	26 456	151	61 174
3,200 to 9,999	7	47 538	12	68 959	3,200 to 9,999	10	58 026	13	83 856
10,000 or more	20	1 379 527	26	1 124 675	10,000 or more	18	1 065 093	26	1 022 431
Hens and pullets of laying age	733	1 251 356	721	1 183 226	Hens and pullets of laying age	128	944 720	182	990 441
Farms with—					Farms with—				
1 to 99	610	13 192	596	13 307	1 to 99	67	1 750	74	2 109
100 to 399	67	12 408	44	8 345	100 to 399	19	3 315	34	6 567
400 to 3,199	32	42 920	46	62 434	400 to 3,199	18	18 700	39	52 008
3,200 to 9,999	5	21 374	10	56 859	3,200 to 9,999	8	43 862	11	70 876
10,000 to 19,999	6	90 500	10	129 000	10,000 to 19,999	6	90 100	12	155 400
20,000 to 49,999	5	147 105	10	(D)	20,000 to 49,999	5	161 080	7	217 550
50,000 to 99,999	5	347 493	2	(D)	50,000 to 99,999	4	(D)	3	(D)
100,000 or more	3	576 364	3	419 000	100,000 or more	1	(D)	2	(D)
Broilers and other meat-type chickens	101	13 561	116	23 054	Broilers and other meat-type chickens	37	(D)	48	162 904
Turkeys	148	13 902	143	23 015	Turkeys	86	153 714	82	156 435
For slaughter	129	11 762	128	19 808	For slaughter	86	(D)	79	153 651
Hens kept for breeding	25	2 140	25	3 207	Hens kept for breeding	4	(D)	10	2 784
Ducks, geese, and other poultry	299	(X)	288	(X)	Ducks, geese, and other poultry	81	(X)	87	(X)

<sup>1</sup>Sales for 1987 include pullets of less than 3 months old.

**Table 22. Broilers and Started Pullets—Sales: 1987 and 1982**

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

Number sold	Broilers and other meat-type chickens				Pullets not of laying age		Pullets 3 months old or older not of laying age	
	1987		1982		1987		1982	
	Farms	Number	Farms	Number	Farms	Number	Farms	Number
<b>Total</b> .....	<b>37</b>	<b>(D)</b>	<b>48</b>	<b>162 904</b>	<b>18</b>	<b>204 855</b>	<b>15</b>	<b>177 020</b>
Farms with—								
1 to 1,999.....	34	1 814	42	(D)	13	2 691	10	1 490
2,000 to 15,999.....	2	(D)	2	(D)	3	(D)	2	(D)
16,000 to 29,999.....	-	-	-	-	-	-	2	(D)
30,000 to 59,999.....	1	(D)	4	146 500	1	(D)	-	-
60,000 to 99,999.....	-	-	-	-	-	-	-	-
100,000 to 199,999.....	-	-	-	-	1	(D)	1	(D)
200,000 to 499,999.....	-	-	-	-	-	-	-	-
200,000 to 299,999.....	-	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
300,000 to 499,999.....	-	-	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
500,000 or more.....	-	-	-	-	-	-	-	-

**Table 23. Poultry—Inventory and Sales by Size of Flock: 1987**

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

Chickens 3 months old or older	Inventory									
	Chickens 3 months old or older						Pullet chicks and pullets under 3 months old		Broilers and other meat-type chickens	
	Total		Hens and pullets of laying age		Pullets 3 months old or older not of laying age					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
<b>Total inventory</b> .....	<b>738</b>	<b>1 502 202</b>	<b>733</b>	<b>1 251 356</b>	<b>95</b>	<b>250 846</b>	<b>33</b>	<b>(D)</b>	<b>76</b>	<b>3 355</b>
Farms with—										
1 to 99.....	604	13 535	602	12 674	55	861	18	354	67	2 153
100 to 399.....	75	13 802	75	12 926	15	876	4	325	3	312
400 to 1,599.....	17	14 305	17	13 225	5	1 080	4	1 080	5	(D)
1,600 to 3,199.....	15	33 495	15	29 695	7	3 800	2	(D)	1	(D)
3,200 to 9,999.....	7	47 538	5	(D)	5	(D)	1	(D)	-	-
10,000 to 19,999.....	4	60 500	4	(D)	1	(D)	1	(D)	-	-
20,000 to 49,999.....	7	206 605	7	180 105	3	26 500	-	-	-	-
50,000 to 99,999.....	4	(D)	3	(D)	1	(D)	-	-	-	-
100,000 or more.....	5	(D)	5	732 357	3	(D)	3	147 325	-	-
No inventory.....	(X)	(X)	(X)	(X)	(X)	(X)	2	(D)	25	10 206

Chickens 3 months old or older	Sales									
	Hens and pullets						Broilers and other meat-type chickens		Poultry and poultry products	
	Total		Hens and pullets of laying age		Pullets not of laying age					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Value (\$1,000)
<b>Total inventory</b> .....	<b>124</b>	<b>1 132 875</b>	<b>115</b>	<b>940 084</b>	<b>13</b>	<b>192 791</b>	<b>28</b>	<b>(D)</b>	<b>392</b>	<b>20 272</b>
Farms with—										
1 to 99.....	54	1 483	50	1 310	4	173	26	(D)	259	97
100 to 399.....	23	4 173	21	3 869	4	304	-	-	74	216
400 to 1,599.....	10	7 050	10	(D)	1	(D)	2	(D)	17	296
1,600 to 3,199.....	10	9 850	10	9 850	-	-	-	-	15	486
3,200 to 9,999.....	7	33 276	5	(D)	2	(D)	-	-	7	396
10,000 to 19,999.....	4	51 500	4	51 500	-	-	-	-	4	1 099
20,000 to 49,999.....	7	125 550	7	125 550	-	-	-	-	7	2 424
50,000 to 99,999.....	4	289 580	3	(D)	1	(D)	-	-	4	3 615
100,000 or more.....	5	610 413	5	(D)	1	(D)	-	-	5	11 642
No inventory.....	17	16 700	13	4 636	5	12 064	9	(D)	106	2 877

**Table 24. Turkeys—Sales by Number Sold Per Farm: 1987**

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

Turkeys	Total		Sales for slaughter		Sales of hens kept for breeding	
	Farms	Number	Farms	Number	Farms	Number
Total sold.....	86	153 714	86	(D)	4	(D)
Farms with—						
1 to 1,999.....	71	8 414	71	8 392	3	22
2,000 to 7,999.....	11	49 300	11	(D)	-	-
8,000 to 15,999.....	1	(D)	1	(D)	-	-
16,000 to 29,999.....	2	(D)	2	(D)	-	-
30,000 to 59,999.....	1	(D)	1	(D)	1	(D)
60,000 to 99,999.....	-	-	-	-	-	-
100,000 or more.....	-	-	-	-	-	-

**Table 25. Cattle and Calves—Inventory: 1987 and 1982**

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

Item	1987		1982	
	Farms	Number	Farms	Number
Cattle and calves.....	2 112	83 065	2 311	102 366
Farms with—				
1 to 9.....	951	4 260	884	4 036
10 to 19.....	347	4 623	359	4 962
20 to 49.....	310	9 510	412	12 951
50 to 99.....	264	18 329	357	24 746
100 to 199.....	169	23 353	214	28 868
200 to 499.....	66	18 683	80	22 018
500 to 999.....	4	(D)	4	(D)
1,000 to 2,499.....	1	(D)	1	(D)
2,500 or more.....	-	-	-	-
Cows and heifers that had calved.....	1 757	46 605	1 922	58 067
Farms with—				
1 to 9.....	961	3 635	922	3 273
10 to 19.....	184	2 364	210	2 807
20 to 49.....	290	9 500	403	13 585
50 to 99.....	207	14 026	264	17 583
100 to 199.....	98	12 622	97	12 446
200 to 499.....	17	4 458	24	(D)
500 to 999.....	-	-	1	(D)
1,000 or more.....	-	-	1	(D)
Beef cows.....	1 124	9 692	1 071	8 176
Farms with—				
1 to 9.....	869	3 236	841	2 865
10 to 19.....	150	1 884	152	1 965
20 to 49.....	79	2 150	57	1 462
50 to 99.....	16	1 005	15	(D)
100 to 199.....	9	(D)	4	(D)
200 to 499.....	1	(D)	2	(D)
500 to 999.....	-	-	-	-
1,000 or more.....	-	-	-	-
Milk cows.....	838	36 913	1 111	49 891
Farms with—				
1 to 4.....	256	476	275	493
5 to 9.....	38	250	45	290
10 to 29.....	89	1 762	165	3 210
30 to 49.....	160	6 164	264	10 133
50 to 99.....	193	13 073	247	16 320
100 to 199.....	86	11 040	91	11 625
200 to 499.....	16	4 148	22	5 420
500 or more.....	-	-	2	(D)
Heifers and heifer calves.....	1 356	26 965	1 707	35 859
Steers, steer calves, bulls, and bull calves.....	1 170	9 495	1 473	8 440

**Table 26. Cattle and Calves—Sales: 1987 and 1982**

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

Item	1987			1982		
	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Cattle and calves sold .....	1 725	39 668	11 297	1 908	47 034	12 212
Farms with—						
1 to 9 .....	911	3 583	1 369	928	3 629	1 295
10 to 19 .....	276	3 819	1 143	310	4 229	1 299
20 to 49 .....	317	10 114	2 591	426	13 415	2 866
50 to 99 .....	148	9 968	2 320	171	11 685	2 799
100 to 199 .....	53	6 681	2 107	52	6 937	1 790
200 to 499 .....	19	(D)	(D)	19	(D)	(D)
500 to 999 .....	1	(D)	(D)	1	(D)	(D)
1,000 to 2,499 .....	-	-	-	1	(D)	(D)
2,500 or more .....	-	-	-	-	-	-
Cattle sold .....	1 514	18 923	9 461	1 703	20 634	10 216
Farms with—						
1 to 9 .....	990	3 730	1 782	1 136	4 285	1 935
10 to 19 .....	283	3 734	1 679	299	3 913	1 901
20 to 49 .....	175	4 971	2 468	204	5 666	2 702
50 to 99 .....	49	3 288	1 714	48	3 194	1 750
100 to 199 .....	12	1 361	748	9	(D)	(D)
200 to 499 .....	4	(D)	(D)	5	(D)	(D)
500 to 999 .....	1	(D)	(D)	2	(D)	(D)
1,000 or more .....	-	-	-	-	-	-
Cattle fattened on grain and concentrates sold .....	352	2 712	1 588	342	2 772	1 535
Farms with—						
1 to 9 .....	313	910	497	293	865	459
10 to 19 .....	19	268	152	27	345	163
20 to 49 .....	13	362	211	15	414	209
50 to 99 .....	4	252	139	3	196	109
100 to 199 .....	1	(D)	(D)	2	(D)	(D)
200 to 499 .....	2	(D)	(D)	1	(D)	(D)
500 to 999 .....	-	-	-	1	(D)	(D)
1,000 to 2,499 .....	-	-	-	-	-	-
2,500 or more .....	-	-	-	-	-	-
Calves sold .....	1 074	20 745	1 837	1 272	26 400	1 995
Farms with—						
1 to 9 .....	526	1 858	247	580	2 102	250
10 to 19 .....	199	2 650	273	221	3 001	235
20 to 49 .....	244	7 438	550	353	10 240	604
50 to 99 .....	81	5 095	345	87	5 412	332
100 to 199 .....	19	2 457	178	22	2 808	231
200 to 499 .....	5	1 247	243	9	2 837	343
500 or more .....	-	-	-	-	-	-

**Table 27. Cattle and Calves—Inventory and Sales by Size of Herd: 1987**

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

Cattle and calves	Cattle and calves inventory								Cattle and calves sales		
	Total		Cows and heifers that had calved		Heifers and heifer calves		Steers, steer calves, bulls, and bull calves		Farms	Number	Value (\$1,000)
	Farms	Number	Farms	Number	Farms	Number	Farms	Number			
Total inventory .....	2 112	83 065	1 757	46 605	1 356	26 965	1 170	9 495	1 635	37 633	10 399
Farms with—											
1 to 9 .....	951	4 260	707	2 331	435	981	467	948	476	1 805	674
10 to 19 .....	347	4 623	297	2 342	232	1 230	240	1 051	347	2 651	942
20 to 49 .....	310	9 510	262	4 782	235	3 253	195	1 475	310	4 346	1 491
50 to 99 .....	264	18 329	256	11 524	230	5 355	119	1 450	263	8 755	2 061
100 to 199 .....	169	23 353	166	13 894	157	7 808	101	1 651	168	10 827	2 549
200 to 499 .....	66	18 683	65	10 397	62	6 618	43	1 668	66	7 875	2 281
500 to 999 .....	4	(D)	4	1 335	4	(D)	4	(D)	4	(D)	(D)
1,000 to 2,499 .....	1	(D)	-	-	1	(D)	1	(D)	1	(D)	(D)
2,500 or more .....	-	-	-	-	-	-	-	-	-	-	-
No inventory .....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	90	2 035	898

**Table 28. Cattle and Calves—Inventory and Sales by Size of Cow Herd: 1987**

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

Cows and heifers that had calved	Cattle and calves inventory								Cattle and calves sales		
	Total		Cows and heifers that had calved		Heifers and heifer calves		Steers, steer calves, bulls, and bull calves		Farms	Number	Value (\$1,000)
	Farms	Number	Farms	Number	Farms	Number	Farms	Number			
Total inventory .....	1 757	76 746	1 757	46 605	1 089	23 758	923	6 383	1 431	33 739	8 656
Farms with—											
1 to 4 .....	644	4 122	644	1 538	344	1 560	358	1 024	349	1 654	614
5 to 9 .....	317	3 908	317	2 097	148	988	172	823	287	1 736	633
10 to 19 .....	184	3 724	184	2 364	92	819	101	541	184	1 934	657
20 to 29 .....	103	3 664	103	2 383	67	900	46	381	103	1 649	532
30 to 49 .....	187	11 209	187	7 117	155	3 315	73	777	187	4 942	1 160
50 to 99 .....	207	22 422	207	14 026	179	7 340	97	1 056	206	9 745	2 132
100 to 199 .....	98	20 633	98	12 622	89	6 816	65	1 195	98	8 686	2 115
200 to 499 .....	17	7 064	17	4 458	15	2 020	11	586	17	3 393	813
500 to 999 .....	-	-	-	-	-	-	-	-	-	-	-
1,000 or more .....	-	-	-	-	-	-	-	-	-	-	-
No inventory .....	355	6 319	(X)	(X)	267	3 207	247	3 112	294	5 929	2 642

**Table 29. Cattle and Calves—Inventory and Sales by Size of Beef Cow Herd: 1987**

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

Beef cows	Cattle and calves inventory									
	Total		Cows and heifers that had calved				Heifers and heifer calves		Steers, steer calves, bulls, and bull calves	
			Total		Beef cows					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory .....	1 124	22 595	1 124	13 667	1 124	9 692	568	5 330	617	3 598
Farms with—										
1 to 4 .....	589	6 942	589	3 582	589	1 389	323	2 364	318	996
5 to 9 .....	280	3 938	280	2 383	280	1 847	118	814	145	741
10 to 19 .....	150	4 061	150	2 689	150	1 884	73	819	87	553
20 to 29 .....	48	1 585	48	1 075	48	1 066	22	241	25	269
30 to 49 .....	31	1 925	31	1 285	31	1 084	15	(D)	22	(D)
50 to 99 .....	16	1 835	16	1 236	16	1 005	8	(D)	13	(D)
100 to 199 .....	9	(D)	9	(D)	9	(D)	9	506	7	(D)
200 to 499 .....	1	(D)	1	(D)	1	(D)	-	-	-	-
500 to 999 .....	-	-	-	-	-	-	-	-	-	-
1,000 or more .....	-	-	-	-	-	-	-	-	-	-
No inventory .....	988	60 470	633	32 938	(X)	(X)	788	21 635	553	5 897

Beef cows	Cattle and calves sales											
	Total			Cattle						Calves		
				Total			Fattened on grain and concentrates					
	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Total inventory .....	844	10 295	3 684	732	5 881	3 052	238	1 094	641	440	4 414	633
Farms with—												
1 to 4 .....	330	3 041	882	294	1 616	770	98	365	204	152	1 425	112
5 to 9 .....	260	1 802	604	211	1 025	506	73	291	168	147	777	98
10 to 19 .....	150	2 111	624	132	1 166	524	39	155	98	88	945	100
20 to 29 .....	48	648	310	44	441	270	17	137	96	21	207	40
30 to 49 .....	30	833	363	28	577	312	7	107	61	17	256	51
50 to 99 .....	16	723	366	14	560	339	4	39	15	8	163	27
100 to 199 .....	9	(D)	(D)	9	496	330	-	-	-	6	(D)	(D)
200 to 499 .....	1	(D)	(D)	-	-	-	-	-	-	1	(D)	(D)
500 to 999 .....	-	-	-	-	-	-	-	-	-	-	-	-
1,000 or more .....	-	-	-	-	-	-	-	-	-	-	-	-
No inventory .....	881	29 373	7 613	782	13 042	6 409	114	1 618	947	634	16 331	1 204

**Table 30. Cattle and Calves—Inventory and Sales by Size of Milk Cow Herd: 1987**

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

Milk cows	Cattle and calves inventory									
	Total		Cows and heifers that had calved				Heifers and heifer calves		Steers, steer calves, bulls, and bull calves	
			Total		Milk cows					
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Farms	Number
Total inventory .....	838	62 624	838	38 268	838	36 913	652	20 757	417	3 599
Farms with—										
1 to 4 .....	256	2 640	256	1 137	256	476	150	927	150	576
5 to 9 .....	38	814	38	319	38	250	23	372	19	123
10 to 19 .....	35	1 031	35	558	35	478	27	320	22	153
20 to 29 .....	54	2 126	54	1 372	54	1 284	45	654	20	100
30 to 49 .....	160	9 866	160	6 294	160	6 184	143	3 071	54	501
50 to 99 .....	193	21 329	193	13 275	193	13 073	172	7 261	86	793
100 to 199 .....	86	18 054	86	11 155	86	11 040	77	6 132	55	767
200 to 499 .....	16	6 764	16	4 158	16	4 148	15	2 020	11	598
500 or more .....	-	-	-	-	-	-	-	-	-	-
No inventory .....	1 274	20 441	919	8 337	(X)	(X)	704	6 208	753	5 896

Milk cows	Cattle and calves sales								Dairy product sales	
	Total			Cattle		Calves				
	Farms	Number	Value (\$1,000)	Farms	Number	Farms	Number	Farms	Value (\$1,000)	
Total inventory .....	758	27 251	5 922	672	10 259	633	16 992	584	62 157	
Farms with—										
1 to 4 .....	181	1 079	398	149	641	105	438	32	38	
5 to 9 .....	34	390	137	20	195	28	195	15	120	
10 to 19 .....	35	457	138	33	225	25	232	29	538	
20 to 29 .....	54	1 004	215	51	378	45	626	54	1 880	
30 to 49 .....	160	4 305	861	148	1 534	147	2 771	160	9 244	
50 to 99 .....	192	9 240	1 810	180	3 222	187	6 018	192	22 623	
100 to 199 .....	86	7 683	1 699	76	2 832	82	4 851	86	20 658	
200 to 499 .....	16	3 093	663	15	1 232	14	1 861	16	7 057	
500 or more .....	-	-	-	-	-	-	-	-	-	
No inventory .....	967	12 417	5 375	842	8 664	441	3 753	25	1 152	

**Table 31. Cattle and Calves—Sales by Number Sold Per Farm: 1987**

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

Cattle and calves	Cattle and calves			Cattle						Calves		
	Farms	Number	Value (\$1,000)	Total		Fattened on grain and concentrates			Farms	Number	Value (\$1,000)	
				Farms	Number	Farms	Number	Value (\$1,000)				
Total sold .....	1 725	39 668	11 297	1 514	18 923	9 461	352	2 712	1 588	1 074	20 745	1 837
Farms with—												
1 to 4 .....	563	1 306	543	451	936	484	171	323	181	206	370	59
5 to 9 .....	348	2 277	827	314	1 515	719	82	349	182	184	762	108
10 to 19 .....	276	3 819	1 143	244	2 098	940	50	281	147	199	1 721	202
20 to 49 .....	317	10 114	2 591	298	4 369	2 144	36	461	301	281	5 745	448
50 to 99 .....	148	9 968	2 320	138	4 018	1 922	5	96	29	139	5 950	398
100 to 199 .....	53	6 681	2 107	53	3 285	(D)	5	342	159	48	3 396	(D)
200 to 499 .....	19	(D)	(D)	15	(D)	(D)	3	860	589	17	2 801	(D)
500 to 999 .....	1	(D)	(D)	1	(D)	(D)	-	-	-	-	-	-
1,000 or more .....	-	-	-	-	-	-	-	-	-	-	-	-

**Table 32. Hogs and Pigs—Inventory: 1987 and 1982**

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

Item	1987		1982	
	Farms	Number	Farms	Number
Total hogs and pigs .....	498	25 816	619	39 570
Farms with—				
1 to 24 .....	388	2 173	467	2 403
25 to 49 .....	37	1 287	38	1 301
50 to 99 .....	18	1 189	35	2 424
100 to 199 .....	23	3 025	35	5 028
200 to 499 .....	21	5 756	29	7 544
500 to 999 .....	5	2 926	9	5 820
1,000 to 1,999 .....	4	(D)	1	(D)
2,000 to 4,999 .....	2	(D)	5	(D)
5,000 or more .....	-	-	-	-
Hogs and pigs used or to be used for breeding .....	211	3 189	281	4 639
Farms with—				
1 to 24 .....	179	1 125	230	1 267
25 to 49 .....	16	493	32	1 047
50 to 99 .....	13	801	13	770
100 to 199 .....	1	(D)	2	(D)
200 or more .....	2	(D)	4	(D)
Other hogs and pigs .....	444	22 627	575	34 931



**Table 33. Hogs and Pigs—Sales: 1987 and 1982**

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

Item	1987			1982		
	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Total hogs and pigs sold -----	387	40 048	4 220	451	44 391	4 497
Farms with—						
1 to 24 -----	228	1 803	206	276	2 028	222
25 to 49 -----	55	1 909	182	54	1 859	153
50 to 99 -----	38	2 499	221	41	2 830	244
100 to 199 -----	33	4 630	445	35	4 859	419
200 to 499 -----	15	(D)	(D)	29	8 377	734
500 to 999 -----	11	(D)	(D)	8	(D)	(D)
1,000 to 1,999 -----	2	(D)	(D)	2	(D)	(D)
2,000 to 4,999 -----	5	(D)	(D)	6	(D)	(D)
5,000 or more -----	-	-	-	-	-	-
Feeder pigs sold -----	96	9 091	374	127	7 363	270
Farms with—						
1 to 9 -----	15	71	3	29	145	5
10 to 49 -----	55	1 198	44	57	1 348	48
50 to 99 -----	11	662	25	22	1 402	52
100 to 199 -----	7	835	37	9	1 216	42
200 to 499 -----	4	1 210	39	9	(D)	(D)
500 to 999 -----	2	(D)	(D)	1	(D)	(D)
1,000 or more -----	2	(D)	(D)	-	-	-
Other hogs and pigs sold -----	355	30 957	3 846	404	37 028	4 226
Farms with—						
1 to 24 -----	237	1 649	228	(NA)	(NA)	(NA)
25 to 49 -----	41	1 386	162	(NA)	(NA)	(NA)
50 to 99 -----	23	1 555	174	(NA)	(NA)	(NA)
100 to 199 -----	29	4 091	427	(NA)	(NA)	(NA)
200 to 499 -----	12	3 641	401	(NA)	(NA)	(NA)
500 to 999 -----	7	5 060	600	(NA)	(NA)	(NA)
1,000 to 1,999 -----	3	4 125	578	(NA)	(NA)	(NA)
2,000 to 4,999 -----	3	9 450	1 278	(NA)	(NA)	(NA)
5,000 or more -----	-	-	-	(NA)	(NA)	(NA)

**Table 34. Hogs and Pigs—Litters Farrowed: 1987 and 1982**

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

Litters	1987		1982	
	Farms	Number of litters	Farms	Number of litters
Litters farrowed between Dec. 1 of preceding year and Nov. 30 -----	218	3 837	293	6 009
Farms with—				
1 to 9 -----	143	487	189	623
10 to 19 -----	27	361	36	445
20 to 49 -----	26	705	39	1 236
50 to 99 -----	16	1 054	18	1 085
100 to 199 -----	4	(D)	6	655
200 to 499 -----	2	(D)	3	(D)
500 or more -----	-	-	2	(D)
Dec. 1 of preceding year and May 31 -----	202	1 882	242	3 061
June 1 and Nov. 30 -----	165	1 955	227	2 948

**Table 35. Hogs and Pigs—Inventory and Sales by Size of Herd: 1987**

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

Hogs and pigs	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Total inventory -----	498	25 816	211	3 189	444	22 627	332	38 551	4 029	95	(D)	(D)
Farms with—												
1 to 9 -----	315	1 084	88	232	264	852	149	1 607	165	28	530	20
10 to 24 -----	73	1 089	43	272	70	817	73	2 379	227	31	761	29
25 to 99 -----	55	2 476	39	543	55	1 933	55	3 962	299	22	1 855	69
100 to 199 -----	23	3 025	17	407	23	2 618	23	3 921	328	6	1 342	44
200 to 499 -----	21	5 756	17	725	21	5 031	21	8 184	658	5	2 777	77
500 to 999 -----	5	2 926	4	240	5	2 686	5	3 998	515	2	(D)	(D)
1,000 or more -----	6	9 460	3	770	6	8 690	6	14 500	1 836	1	(D)	(D)
No inventory -----	(X)	(X)	(X)	(X)	(X)	(X)	55	1 497	191	1	(D)	(D)

**Table 36. Hogs and Pigs—Inventory and Sales by Number Sold Per Farm: 1987**

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

Hogs and pigs	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Total sold.....	332	25 356	186	3 153	298	22 203	387	40 048	4 220	96	9 091	374
Farms with—												
1 to 9.....	106	500	25	61	96	439	148	510	80	6	28	1
10 to 49.....	126	2 060	83	467	106	1 593	135	3 202	309	53	951	36
50 to 99.....	38	2 026	32	396	34	1 630	38	2 499	221	19	835	32
100 to 199.....	30	3 597	22	576	30	3 021	33	4 630	445	7	636	28
200 to 499.....	15	3 506	11	423	15	3 083	15	(D)	(D)	5	1 240	39
500 to 999.....	10	5 427	10	780	10	4 647	11	(D)	(D)	4	(D)	(D)
1,000 or more.....	7	8 240	3	450	7	7 790	7	17 500	2 038	2	(D)	(D)
None sold.....	166	460	25	36	146	424	(X)	(X)	(X)	(X)	(X)	(X)

**Table 37. Hogs and Pigs—Inventory, Sales, and Litters by Total Litters Farrowed: 1987**

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

Litters farrowed	Hogs and pigs inventory						Hogs and pigs sales					
	Total		Used or to be used for breeding		Other hogs and pigs		Total			Feeder pigs		
	Farms	Number	Farms	Number	Farms	Number	Farms	Number	Value (\$1,000)	Farms	Number	Value (\$1,000)
Total litters farrowed.....	213	16 643	211	3 189	159	13 454	192	24 149	2 085	96	9 091	374
Farms with—												
1.....	37	138	36	56	15	82	24	167	18	10	63	2
2 to 4.....	56	404	56	157	40	247	48	847	80	25	372	14
5 to 9.....	45	734	44	309	30	425	45	1 876	139	30	946	37
10 to 19.....	27	1 659	27	333	26	1 326	27	2 012	181	9	465	15
20 to 49.....	26	3 237	26	586	26	2 651	26	4 561	494	11	604	28
50 to 99.....	16	4 581	16	758	16	3 823	16	5 896	417	9	(D)	(D)
100 to 199.....	4	(D)	4	(D)	4	(D)	4	(D)	(D)	1	(D)	(D)
200 or more.....	2	(D)	2	(D)	2	(D)	2	(D)	(D)	1	(D)	(D)
No litters farrowed.....	285	9 173	-	-	285	9 173	195	15 899	2 136	-	-	-
Litters farrowed between Dec. 1, 1986, and Nov. 30, 1987												
Litters farrowed	Total		Dec. 1, 1986, and May 31, 1987		June 1, 1987, and Nov. 30, 1987		Total		Feeder pigs		Total	
	Farms	Litters	Farms	Litters	Farms	Litters	Farms	Litters	Farms	Number	Value (\$1,000)	Value (\$1,000)
Total litters farrowed.....	218	3 837	202	1 882	165	1 955						
Farms with—												
1.....	41	41	34	34	7	7						
2 to 4.....	57	140	54	78	47	62						
5 to 9.....	45	306	43	166	40	140						
10 to 19.....	27	361	26	198	25	163						
20 to 49.....	26	705	23	338	24	367						
50 to 99.....	16	1 054	16	498	16	556						
100 to 199.....	4	(D)	4	(D)	4	(D)						
200 or more.....	2	(D)	2	(D)	2	(D)						

**Table 38. Sheep and Lambs—Inventory and Sales: 1987 and 1982**

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

Item	1987		1982	
	Farms	Number	Farms	Number
Sheep and lambs inventory.....	604	14 761	452	9 846
Farms with—				
1 to 24.....	446	3 940	341	2 660
25 to 99.....	132	5 837	97	4 480
100 to 299.....	21	2 824	11	1 570
300 to 999.....	5	2 160	3	1 136
1,000 to 2,499.....	-	-	-	-
2,500 or more.....	-	-	-	-
Ewes 1 year old or older.....	521	9 597	391	6 260
Sheep and lambs shorn.....	511	13 036	381	7 984
Pounds of wool.....	(X)	95 098	(X)	52 440
Sheep and lambs sold.....	493	11 548	338	5 705
Value of sales from sheep, lambs, and wool (\$1,000).....	563	884	398	445

**Table 39. Sheep and Lambs—Inventory and Sales by Size of Flock: 1987**

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

Sheep and lambs	Sheep and lambs inventory				Sheep and lambs shorn			Sales			
	Total		Ewes 1 year old or older		Farms	Number	Pounds of wool	Sheep and lambs		Sheep, lambs, and wool	
	Farms	Number	Farms	Number				Farms	Number	Farms	Value (\$1,000)
Total inventory .....	604	14 761	521	9 597	503	12 849	94 292	471	11 103	541	855
Farms with—											
1 to 24 .....	446	3 940	366	2 436	349	3 436	24 628	316	2 909	384	193
25 to 99 .....	132	5 837	131	3 870	130	5 172	42 571	129	3 391	131	276
100 to 299 .....	21	2 824	19	1 734	19	1 981	13 893	21	2 297	21	152
300 to 999 .....	5	2 160	5	1 557	5	2 260	13 200	5	2 506	5	235
1,000 to 2,499 .....	-	-	-	-	-	-	-	-	-	-	-
2,500 to 4,999 .....	-	-	-	-	-	-	-	-	-	-	-
5,000 or more .....	-	-	-	-	-	-	-	-	-	-	-
No inventory .....	(X)	(X)	(X)	(X)	8	187	806	22	445	22	29

**Table 40. Sheep and Lambs—Inventory and Sales by Size of Ewe Flock: 1987**

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

Ewes 1 year old or older	Sheep and lambs inventory				Sheep and lambs shorn			Sales			
	Total		Ewes 1 year old or older		Farms	Number	Pounds of wool	Sheep and lambs		Sheep, lambs, and wool	
	Farms	Number	Farms	Number				Farms	Number	Farms	Value (\$1,000)
Total inventory .....	521	14 212	521	9 597	472	12 687	93 097	428	10 079	490	783
Farms with—											
1 to 24 .....	430	5 716	430	3 538	382	4 878	35 075	340	3 924	400	266
25 to 99 .....	81	5 644	81	3 891	80	5 043	41 277	78	3 200	80	255
100 to 199 .....	6	992	6	791	6	656	4 745	6	629	6	37
200 to 499 .....	4	1 860	4	1 377	4	2 110	12 000	4	2 326	4	224
500 to 999 .....	-	-	-	-	-	-	-	-	-	-	-
1,000 to 2,499 .....	-	-	-	-	-	-	-	-	-	-	-
2,500 to 4,999 .....	-	-	-	-	-	-	-	-	-	-	-
5,000 or more .....	-	-	-	-	-	-	-	-	-	-	-
No inventory .....	83	549	(X)	(X)	39	349	2 001	65	1 469	73	101

**Table 41. Other Livestock and Livestock Products—Inventory and Sales: 1987 and 1982**

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

Item	Inventory		Sales	
	1987	1982	1987	1982
Horses and ponies	farms... 1 608	1 161	421	311
	number... 11 944	8 765	1 230	1 050
	\$1,000... (X)	(X)	5 626	3 299
Mules, burros, and donkeys	farms... 83	25	10	2
	number... 166	51	28	(D)
	\$1,000... (X)	(X)	14	(D)
Colonies of bees	farms... 378	388	19	19
	number... 9 391	7 260	169	754
Honey sold	farms... (X)	(X)	141	83
	pounds... (X)	(X)	170 099	123 458
Bees and honey sold	farms... (X)	(X)	145	(NA)
	\$1,000... (X)	(X)	117	111
Goats	farms... 279	219	98	87
	number... 2 756	1 321	1 187	809
Angora goats	farms... 9	2	-	1
	number... 23	(D)	-	(D)
Mohair sold	farms... (X)	(X)	5	1
	pounds... (X)	(X)	103	(D)
Angora goats and mohair sold	farms... (X)	(X)	5	(NA)
	\$1,000... (X)	(X)	(D)	(D)
Milk goats	farms... 152	166	49	72
	number... 1 446	1 094	541	652
Goats milk sold	farms... (X)	(X)	50	30
	gallons... (X)	(X)	67 723	20 971
Milk goats and goats milk sold	farms... (X)	(X)	76	(NA)
	\$1,000... (X)	(X)	291	97
Other goats	farms... 164	64	59	16
	number... 1 287	(D)	646	(D)
	\$1,000... (X)	(X)	41	(D)
Mink and their pelts	farms... 4	7	6	8
	number... 2 855	4 008	12 728	13 834
	\$1,000... (X)	(X)	361	386
Rabbits and their pelts	farms... 114	97	53	65
	number... 12 037	13 081	25 701	33 623
	\$1,000... (X)	(X)	467	281
Fish and other aquaculture products sold	farms... (X)	(X)	11	8
	\$1,000... (X)	(X)	797	389
Other livestock and livestock products	farms... 20	(NA)	16	(NA)
	\$1,000... (X)	(X)	(D)	(D)

**Table 42. Crops Harvested and Value of Production: 1987 and 1982**

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

Crop	1987				1982			
	Farms	Acres	Quantity	Value of production <sup>1</sup> (\$1,000)	Farms	Acres	Quantity	Value of production <sup>1</sup> (\$1,000)
Harvested cropland .....	5 084	194 874	(X)	239 571	4 608	197 769	(X)	174 743
Corn for grain or seed (bushels) .....	152	5 681	626 829	1 066	165	6 077	591 680	1 361
Corn for silage or green chop or cut for dry fodder, hogged or grazed .....	604	28 643	(X)	6 298	886	37 553	(X)	12 577
Sorghum for grain or seed (bushels) .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
Sorghum for silage or green chop, cut for dry forage or hay, or hogged or grazed .....	10	236	(X)	10	20	223	(X)	30
Wheat for grain (bushels) .....	7	143	6 056	15	7	33	1 276	4
Barley for grain (bushels) .....	2	(D)	(D)	(D)	3	37	(D)	1 616
Oats for grain (bushels) .....	16	157	8 175	9	33	(D)	26 675	27
Rye for grain (bushels) .....	17	342	13 876	31	39	798	23 101	46
Rice (cwt) .....	-	-	-	-	-	-	-	-
Flaxseed (bushels) .....	-	-	-	-	-	-	-	-
Sunflower seed (pounds) .....	-	-	-	-	1	(D)	(D)	(D)
Soybeans for beans (bushels) .....	-	-	-	-	3	(D)	(D)	(D)
Dry edible beans, excluding dry limas (cwt) .....	-	-	-	-	1	(D)	(D)	(D)
Peanuts for nuts (pounds) .....	-	-	-	-	-	-	-	-
Cotton (bales) .....	-	-	-	-	-	-	-	-
Tobacco (pounds) .....	21	458	618 971	6 190	46	352	574 990	2 932
Irish potatoes (cwt) .....	93	2 628	615 427	4 093	136	3 759	732 649	4 323
Sweetpotatoes (bushels) .....	1	(D)	(D)	(D)	1	(D)	(D)	(D)
Pineapples harvested (tons) .....	-	-	-	-	-	-	-	-
Sugar beets for sugar (tons) .....	-	-	-	-	-	-	-	-
Sugarcane for sugar (tons) .....	-	-	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) (tons, dry) .....	2 874	121 498	250 559	17 573	2 663	116 729	241 584	19 147
Vegetables harvested for sale (see text) .....	1 008	16 325	(X)	25 179	1 011	15 307	(X)	19 199
Land in orchards .....	572	9 379	(X)	17 829	489	9 332	(X)	17 502
Berries harvested for sale .....	890	13 385	(X)	80 180	833	11 449	(X)	50 972
Nursery and greenhouse crops, mushrooms, and sod grown for sale (see text) .....	824	3 439	(X)	80 867	716	2 795	(X)	46 465
Other crops .....	51	204	(X)	226	(NA)	(NA)	(X)	143

<sup>1</sup>Data are estimated; see text.

**Table 43. Specified Crops Harvested—Yield Per Acre Irrigated and Nonirrigated: 1987**

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

Crop	Entire crop irrigated			Part of crop irrigated				None of crop irrigated		
	Farms	Acres	Average yield per acre	Farms	Acres irrigated	Acres not irrigated	Average yield per acre	Farms	Acres	Average yield per acre
Corn for grain or seed (bushels) .....	-	-	-	1	(D)	(D)	(D)	151	(D)	(D)
Corn for silage or green chop (tons, green) .....	2	(D)	(D)	4	(D)	(D)	(D)	598	28 473	18.3
Sorghum for grain or seed (bushels) .....	-	-	-	-	-	-	-	1	(D)	(D)
Wheat for grain (bushels) .....	-	-	-	-	-	-	-	7	143	42.3
Oats for grain (bushels) .....	-	-	-	-	-	-	-	16	157	52.1
Barley for grain (bushels) .....	1	(D)	(D)	-	-	-	-	1	(D)	(D)
Rice (cwt) .....	-	-	-	-	-	-	-	-	-	-
Soybeans for beans (bushels) .....	-	-	-	-	-	-	-	-	-	-
Peanuts for nuts (pounds) .....	-	-	-	-	-	-	-	-	-	-
Dry edible beans, excluding dry limas (cwt) .....	-	-	-	-	-	-	-	-	-	-
Cotton (bales) .....	-	-	-	-	-	-	-	-	-	-
Tobacco (pounds) .....	6	151	1 321.5	3	54	159	1 131.2	12	95	1 897.5
Irish potatoes (cwt) .....	10	33	213.2	5	118	99	183.5	78	2 379	239.1
Sugar beets for sugar (tons) .....	-	-	-	-	-	-	-	-	-	-
Sugarcane for sugar (tons) .....	-	-	-	-	-	-	-	-	-	-
Alfalfa hay (tons, dry) .....	8	(D)	(D)	2	(D)	(D)	(D)	1 126	(D)	(D)
Small grain hay (tons, dry) .....	-	-	-	1	(D)	(D)	(D)	208	(D)	(D)
Tame hay other than alfalfa, small grain, and wild hay (see text) (tons, dry) .....	10	(D)	(D)	1	(D)	(D)	(D)	1 688	60 392	2.0
Wild hay (tons, dry) .....	5	16	2.3	-	-	-	-	606	13 877	1.5
Grass silage, haylage, and green chop hay (tons, green) .....	1	(D)	(D)	-	-	-	-	208	(D)	(D)
Alfalfa seed (pounds) .....	-	-	-	-	-	-	-	-	-	-
Vegetables harvested for sale (see text) .....	174	2 757	(X)	138	1 993	2 904	(X)	696	8 671	(X)
Land in orchards .....	40	151	(X)	17	116	367	(X)	515	8 745	(X)
Strawberries harvested for sale (pounds) .....	99	237	4 901.7	1	(D)	(D)	(D)	113	(D)	(D)



**Table 45. Specified Fruits and Nuts by Acres: 1987 and 1982**

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

Crop	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
Apples ----- 1987..	526	8 415	618 208	346	141 414	485	476 794	402	76 050 295
----- 1982..	452	8 457	585 533	326	159 560	388	425 973	312	92 049 245
1987 acres harvested:									
0.1 to 0.9 acres -----	61	25	1 722	41	874	44	848	29	57 154
1.0 to 4.9 acres -----	204	456	27 104	127	12 010	185	15 094	140	1 610 190
5.0 to 14.9 acres -----	136	1 088	76 777	82	14 153	133	62 624	111	5 348 272
15.0 to 24.9 acres -----	32	618	34 495	27	11 616	30	22 879	29	3 849 663
25.0 to 49.9 acres -----	46	1 569	100 454	33	(D)	46	(D)	46	14 230 337
50.0 to 99.9 acres -----	31	2 096	144 409	23	(D)	31	(D)	31	21 668 319
100.0 acres or more -----	16	2 564	233 247	13	51 459	16	181 788	16	29 286 360
1982 acres harvested:									
0.1 to 0.9 acres -----	68	24	1 288	52	774	46	514	35	49 162
1.0 to 4.9 acres -----	158	346	17 526	110	8 628	127	8 898	84	1 180 486
5.0 to 14.9 acres -----	102	774	52 376	73	19 751	93	32 625	77	4 001 900
15.0 to 24.9 acres -----	32	591	34 000	21	15 839	30	18 161	26	4 853 387
25.0 to 49.9 acres -----	45	1 566	92 662	33	20 182	45	72 480	44	17 766 030
50.0 to 99.9 acres -----	29	1 963	158 586	22	21 165	29	137 421	28	23 681 560
100.0 acres or more -----	18	3 194	229 095	15	73 221	18	155 874	18	40 516 720

**Table 46. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale by Value of Sales: 1987 and 1982**

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

Crop	Under glass or other protection		In the open		Sales	
	Farms	Square feet	Farms	Acres	Farms	Value (\$1,000)
Nursery and greenhouse crops, mushrooms, and sod grown for sale (see text) ----- 1987..	587	10 066 833	407	3 208	824	80 867
----- 1982..	524	8 261 749	311	2 605	716	46 465
1987 value of sales:						
\$1 to \$2,499 sales -----	68	56 797	91	86	146	173
\$2,500 to \$9,999 sales -----	122	329 415	105	187	198	1 049
\$10,000 to \$39,999 sales -----	184	1 408 854	111	432	244	5 055
\$40,000 to \$99,999 sales -----	93	1 493 122	36	214	102	6 330
\$100,000 to \$199,999 sales -----	48	1 462 065	24	231	54	7 442
\$200,000 to \$499,999 sales -----	43	1 843 535	21	735	47	13 725
\$500,000 sales or more -----	29	3 473 045	19	1 323	33	47 093
Bedding plants ----- 1987..	418	4 015 097	88	207	445	19 451
----- 1982..	381	2 886 604	51	138	397	10 965
Cut flowers and cut florist greens ----- 1987..	63	1 436 611	79	129	128	10 290
----- 1982..	78	1 594 606	57	75	123	6 995
Foliage and potted flowering plants, total ----- 1987..	229	3 672 082	73	125	267	24 786
----- 1982..	187	3 060 730	76	169	239	15 083
Foliage plants ----- 1987..	57	536 480	14	26	66	3 727
Potted flowering plants ----- 1987..	207	3 135 602	62	99	240	21 059
Nursery crops ----- 1987..	50	518 082	226	2 502	244	24 317
----- 1982..	28	160 366	163	2 180	173	12 349

**Table 47. Farms by Concentration of Market Value of Agricultural Products Sold: 1987**

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

Characteristics	All farms	Fewest number of farms accounting for—			
		10 percent of sales	25 percent of sales	50 percent of sales	75 percent of sales
Farms.....	6 216	4	26	173	635
.....number..	100.0	.1	.4	2.8	10.2
Land in farms.....	615 185	11 700	25 228	74 593	179 485
.....acres..	99	2 925	970	431	283
Average size of farm .....					
Value of land and buildings <sup>1</sup> .....	6 216	4	26	173	595
.....farms..	2 154 033	17 523	62 962	256 873	534 477
.....\$1,000..	346 530	4 380 750	2 421 615	1 484 815	898 281
.....dollars..	3 553	1 498	2 496	3 444	3 102
.....dollars..					
Estimated market value of all machinery and equipment.....	198 868	1 588	11 707	34 984	69 227
.....\$1,000..	100.0	.8	5.9	17.6	34.8
.....percent..					
Land in farms according to use:					
Total cropland.....	272 588	1 970	6 986	36 100	96 709
.....acres..	194 874	1 955	5 648	27 786	77 712
.....acres..					
Pastureland, excluding woodland pastured .....	97 882	(D)	9 734	14 917	27 053
.....acres..					
Market value of agricultural products sold.....	340 464	36 704	85 658	170 498	255 449
.....\$1,000..	54 772	9 176 038	3 294 553	985 541	402 281
.....dollars..					
Grains .....	78	-	1	8	15
.....farms..	785	-	(D)	179	404
.....\$1,000..	-	-	-	-	-
.....farms..	-	-	-	-	-
.....\$1,000..	21	-	-	6	11
.....farms..	4 587	-	-	3 628	4 346
.....\$1,000..	1 569	1	4	16	87
.....farms..	7 803	(D)	28	373	1 157
.....\$1,000..					
Vegetables, sweet corn, and melon .....	1 007	1	2	23	114
.....farms..	25 179	(D)	(D)	3 758	11 540
.....\$1,000..	1 186	1	9	52	199
.....farms..	92 349	(D)	28 417	51 498	73 551
.....\$1,000..	824	1	12	56	165
.....farms..	80 867	(D)	29 996	54 431	68 409
.....\$1,000..	114	-	1	4	18
.....farms..	4 285	-	(D)	2 548	3 331
.....\$1,000..					
Poultry and poultry products .....	498	1	3	20	41
.....farms..	23 149	(D)	9 174	19 213	20 887
.....\$1,000..	609	-	-	38	233
.....farms..	63 309	-	-	14 050	45 819
.....\$1,000..	1 725	-	1	41	246
.....farms..	11 297	-	(D)	1 849	5 325
.....\$1,000..	387	-	1	7	21
.....farms..	4 220	-	(D)	(D)	2 280
.....\$1,000..					
Sheep, lambs, and wool .....	563	-	-	1	12
.....farms..	884	-	-	(D)	183
.....\$1,000..	722	1	3	8	25
.....farms..	21 749	(D)	16 326	17 202	18 218
.....\$1,000..					
Total farm production expenses <sup>1</sup> .....	6 216	4	26	173	595
.....farms..	251 496	24 808	57 291	119 330	172 184
.....\$1,000..					
Selected farm production expenses <sup>1</sup> :					
Livestock and poultry purchased.....	1 559	2	5	47	168
.....farms..	11 441	(D)	2 963	5 385	7 704
.....\$1,000..	2 893	2	5	64	259
.....farms..	33 525	(D)	5 772	14 631	23 812
.....\$1,000..	3 858	3	21	140	532
.....farms..	8 953	416	1 171	2 996	5 377
.....\$1,000..	3 027	3	24	141	524
.....farms..	7 319	313	1 367	3 079	4 947
.....\$1,000..					
Petroleum products.....	5 859	4	26	171	590
.....farms..	12 042	353	1 513	4 260	6 715
.....\$1,000..	4 286	4	25	170	572
.....farms..	5 959	459	1 244	2 362	3 753
.....\$1,000..	2 185	4	26	172	543
.....farms..	66 579	9 754	23 500	43 215	55 215
.....\$1,000..	1 981	3	19	140	416
.....farms..	13 788	611	2 069	5 673	8 533
.....\$1,000..					
Payments from government programs .....	400	-	-	21	95
.....farms..	2 213	-	-	910	1 254
.....\$1,000..					
Inventory of selected livestock:					
Cattle and calves .....	2 112	-	2	42	247
.....farms..	83 065	-	(D)	12 041	43 464
.....number..	838	-	-	36	228
.....farms..	36 913	-	-	6 938	23 933
.....number..	498	-	1	8	20
.....farms..	25 816	-	(D)	6 326	10 923
.....number..					

<sup>1</sup>Data are based on a sample of farms.



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**Table 48. Summary by Tenure of Operator: 1987**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>FARMS AND LAND IN FARMS</b>								
Farms .....	6 216	4 313	1 449	454	2 499	1 420	823	256
.....number.....	100.0	69.4	23.3	7.3	40.2	22.8	13.2	4.1
Land in farms .....	615 185	348 117	231 033	36 035	381 898	169 068	184 590	28 240
.....acres.....	99	81	159	79	153	119	224	110
.....Average size of farm.....								
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) .....	6 216	4 313	1 449	454	2 499	1 420	823	256
.....farms.....	340 464	188 318	118 057	34 089	330 696	181 019	116 174	33 503
.....\$1,000.....	54 772	43 663	81 475	75 086	132 331	127 478	141 159	130 872
.....dollars.....								
Farms by value of sales:								
Less than \$1,000 (see text) .....	1 133	933	144	56	-	-	-	-
\$1,000 to \$2,499 .....	1 034	806	175	53	-	-	-	-
\$2,500 to \$4,999 .....	830	622	166	42	-	-	-	-
\$5,000 to \$9,999 .....	720	532	141	47	-	-	-	-
\$10,000 to \$19,999 .....	591	409	126	56	591	409	126	56
\$20,000 to \$24,999 .....	179	126	30	23	179	126	30	23
\$25,000 to \$39,999 .....	356	230	92	34	356	230	92	34
\$40,000 to \$49,999 .....	138	73	47	18	138	73	47	18
\$50,000 to \$99,999 .....	515	255	207	53	515	255	207	53
\$100,000 to \$249,999 .....	475	211	221	43	475	211	221	43
\$250,000 to \$499,999 .....	148	63	73	12	148	63	73	12
\$500,000 to \$999,999 .....	53	25	18	10	53	25	18	10
\$1,000,000 or more .....	44	28	9	7	44	28	9	7
Grains .....	78	36	39	3	52	16	34	2
.....farms.....	\$1,000.....	785	209	505	70	732	(D)	495
Sales of \$50,000 or more .....	farms.....	5	1	3	1	5	1	3
.....\$1,000.....	332	(D)	(D)	(D)	332	(D)	(D)	(D)
Corn for grain .....	farms.....	67	30	34	3	46	15	29
.....\$1,000.....	729	170	488	70	686	(D)	479	(D)
Wheat .....	farms.....	3	1	2	-	2	-	-
.....\$1,000.....	(D)	(D)	(D)	-	(D)	-	(D)	-
Soybeans .....	farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Sorghum for grain .....	farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Barley .....	farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Oats .....	farms.....	5	3	2	2	-	2	-
.....\$1,000.....	(D)	2	(D)	-	(D)	-	(D)	-
Other grains .....	farms.....	7	2	5	6	1	5	-
.....\$1,000.....	39	(D)	(D)	-	(D)	(D)	(D)	-
Cotton and cottonseed .....	farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Tobacco .....	farms.....	21	9	9	3	21	9	3
.....\$1,000.....	4 587	796	1 354	2 437	4 587	796	1 354	2 437
Sales of \$50,000 or more .....	farms.....	11	4	4	3	11	4	3
.....\$1,000.....	4 355	675	1 243	2 437	4 355	675	1 243	2 437
Hay, silage, and field seeds .....	farms.....	1 569	967	511	91	491	180	263
.....\$1,000.....	7 803	3 065	4 053	685	5 523	1 498	3 454	571
Sales of \$50,000 or more .....	farms.....	18	3	15	-	18	3	15
.....\$1,000.....	1 250	278	972	-	1 250	278	972	-
Vegetables, sweet corn, and melons .....	farms.....	1 007	559	336	112	622	275	268
.....\$1,000.....	25 179	7 652	14 673	2 854	23 902	6 729	14 445	2 728
Sales of \$50,000 or more .....	farms.....	138	37	88	13	138	37	88
.....\$1,000.....	15 627	3 115	11 001	1 512	15 627	3 115	11 001	1 512
Fruits, nuts, and berries .....	farms.....	1 186	924	188	74	730	516	159
.....\$1,000.....	92 349	72 622	12 580	7 147	91 022	71 404	12 510	7 108
Sales of \$50,000 or more .....	farms.....	305	225	55	25	305	225	55
.....\$1,000.....	83 747	65 942	11 189	6 616	83 747	65 942	11 189	6 616
Nursery and greenhouse crops .....	farms.....	824	586	164	74	561	370	137
.....\$1,000.....	80 867	48 489	24 815	7 564	79 988	47 760	24 730	7 499
Sales of \$50,000 or more .....	farms.....	212	142	43	27	212	142	43
.....\$1,000.....	73 509	43 269	23 148	7 092	73 509	43 269	23 148	7 092
Other crops .....	farms.....	114	56	49	9	81	29	45
.....\$1,000.....	4 285	1 167	2 996	122	4 219	(D)	2 986	(D)
Sales of \$50,000 or more .....	farms.....	12	3	9	-	12	3	9
.....\$1,000.....	3 520	895	2 624	-	3 520	895	2 624	-
Poultry and poultry products .....	farms.....	498	342	129	27	194	127	48
.....\$1,000.....	23 149	17 908	1 018	4 224	22 950	17 735	994	4 222
Sales of \$50,000 or more .....	farms.....	44	34	3	7	44	34	3
.....\$1,000.....	22 016	17 046	801	4 169	22 016	17 046	801	4 169
Dairy products .....	farms.....	609	169	368	72	573	152	352
.....\$1,000.....	63 309	10 603	45 217	7 489	63 231	10 558	45 201	7 472
Sales of \$50,000 or more .....	farms.....	409	73	288	48	409	73	288
.....\$1,000.....	58 969	8 576	43 389	7 003	58 969	8 576	43 389	7 003
Cattle and calves .....	farms.....	1 725	893	699	133	804	268	451
.....\$1,000.....	11 297	4 453	5 881	963	9 591	3 316	5 406	869
Sales of \$50,000 or more .....	farms.....	25	14	9	2	25	14	9
.....\$1,000.....	2 563	1 545	(D)	(D)	2 563	1 545	(D)	(D)

See footnotes at end of table.

**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>								
Total sales (see text)—Con.								
Hogs and pigs ----- farms..	387	260	109	18	143	84	52	7
\$1,000..	4 220	3 114	1 049	57	3 821	2 826	955	39
Sales of \$50,000 or more ----- farms..	15	10	5	-	15	10	5	-
\$1,000..	2 705	1 961	744	-	2 705	1 961	744	-
Sheep, lambs, and wool ----- farms..	563	406	135	22	102	55	39	8
\$1,000..	884	446	356	81	437	134	243	60
Sales of \$50,000 or more ----- farms..	1	-	1	-	1	-	1	-
\$1,000..	(D)	-	(D)	-	(D)	-	(D)	-
Other livestock and livestock products (see text) ----- farms..	722	519	159	44	176	119	47	10
\$1,000..	21 749	17 793	3 561	396	20 694	16 980	3 400	314
Sales of \$50,000 or more ----- farms..	25	19	4	2	25	19	4	2
\$1,000..	19 082	15 700	(D)	(D)	19 082	15 700	(D)	(D)
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
Total farm production expenses ----- farms..	6 216	4 389	1 400	427	2 490	1 480	804	206
\$1,000..	251 496	141 664	85 495	24 337	226 809	123 969	79 585	23 076
Average per farm ----- dollars..	40 460	32 277	61 068	56 996	91 008	83 763	98 961	112 019
Livestock and poultry purchased ----- farms..	1 559	985	464	110	618	313	254	51
\$1,000..	11 441	7 233	3 401	807	10 064	6 259	3 105	700
Farms with expenses of—								
\$1 to \$4,999 -----	1 238	794	365	79	360	171	164	25
\$5,000 to \$24,999 -----	242	149	69	24	192	113	60	19
\$25,000 to \$99,999 -----	64	30	28	6	51	17	28	6
\$100,000 or more -----	15	12	2	1	15	12	2	1
Feed for livestock and poultry ----- farms..	2 893	1 901	814	178	930	457	421	52
\$1,000..	33 525	16 000	13 610	3 914	29 750	13 515	12 545	3 691
Farms with expenses of—								
\$1 to \$4,999 -----	2 130	1 539	472	119	308	200	99	9
\$5,000 to \$24,999 -----	448	273	151	24	335	179	148	8
\$25,000 to \$99,999 -----	271	68	173	30	244	58	156	30
\$100,000 or more -----	44	21	18	5	43	20	18	5
Commercially mixed formula feeds ----- farms..	1 552	947	542	63	756	336	369	51
\$1,000..	26 256	12 623	10 249	3 384	25 551	12 206	10 001	3 345
Farms with expenses of—								
\$1 to \$4,999 -----	992	754	220	18	217	148	58	11
\$5,000 to \$24,999 -----	322	123	182	17	301	118	171	12
\$25,000 to \$79,999 -----	192	50	120	22	192	50	120	22
\$80,000 or more -----	46	20	20	6	46	20	20	6
Seeds, bulbs, plants, and trees ----- farms..	2 429	1 487	780	162	1 475	719	643	113
\$1,000..	6 227	3 390	1 988	849	5 999	3 205	1 962	833
Farms with expenses of—								
\$1 to \$999 -----	1 651	1 143	389	119	716	393	253	70
\$1,000 to \$4,999 -----	618	266	328	24	599	248	327	24
\$5,000 to \$24,999 -----	121	58	52	13	121	56	52	13
\$25,000 or more -----	39	22	11	6	39	22	11	6
Commercial fertilizer ----- farms..	3 858	2 508	1 056	294	2 047	1 125	742	180
\$1,000..	8 953	3 535	4 676	742	8 165	3 075	4 419	672
Farms with expenses of—								
\$1 to \$4,999 -----	3 420	2 407	749	264	1 623	1 024	449	150
\$5,000 to \$24,999 -----	398	89	284	25	384	89	270	25
\$25,000 to \$49,999 -----	28	6	19	3	28	6	19	3
\$50,000 or more -----	12	6	4	2	12	6	4	2
Agricultural chemicals ----- farms..	3 027	2 026	778	223	1 898	1 076	668	154
\$1,000..	7 319	4 093	2 564	662	6 990	3 817	2 530	643
Farms with expenses of—								
\$1 to \$4,999 -----	2 719	1 869	663	187	1 597	926	553	118
\$5,000 to \$24,999 -----	264	132	101	31	257	125	101	31
\$25,000 to \$49,999 -----	29	14	10	5	29	14	10	5
\$50,000 or more -----	15	11	4	-	15	11	4	-
Petroleum products ----- farms..	5 859	4 072	1 380	407	2 429	1 422	802	205
\$1,000..	12 042	6 785	3 894	1 363	10 406	5 675	3 490	1 241
Farms with expenses of—								
\$1 to \$4,999 -----	5 438	3 860	1 210	368	2 010	1 212	632	166
\$5,000 to \$24,999 -----	369	185	155	29	367	183	155	29
\$25,000 to \$49,999 -----	32	16	10	6	32	16	10	6
\$50,000 or more -----	20	11	5	4	20	11	5	4
Gasoline and kerosene ----- farms..	5 243	3 654	1 231	358	2 222	1 277	748	197
\$1,000..	5 325	2 964	1 809	453	4 281	2 240	1 664	387
Diesel fuel ----- farms..	2 743	1 623	810	210	1 455	719	616	120
\$1,000..	2 585	1 116	1 207	262	2 231	904	1 102	226
Natural gas ----- farms..	175	112	36	27	112	72	26	14
\$1,000..	841	573	136	133	825	567	136	123
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	3 773	2 375	1 129	289	2 089	1 152	759	178
\$1,000..	3 291	2 133	642	516	3 058	1 964	588	506

See footnotes at end of table.

**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
—Con.								
Total farm production expenses—Con.								
Electricity ----- farms...	4 286	2 896	1 148	242	2 060	1 183	755	122
----- \$1,000...	5 959	3 493	1 932	534	5 399	3 058	1 837	505
Farms with expenses of—								
\$1 to \$999 .....	3 151	2 313	699	139	1 002	665	312	25
\$1,000 to \$4,999 .....	895	473	347	75	818	408	341	69
\$5,000 to \$24,999 .....	225	99	101	25	225	99	101	25
\$25,000 or more .....	15	11	1	3	15	11	1	3
Hired farm labor ----- farms...	2 185	1 337	683	165	1 518	806	560	152
----- \$1,000...	66 579	38 179	21 482	6 918	65 517	37 633	21 033	6 852
Farms with expenses of—								
\$1 to \$4,999 .....	1 095	818	217	60	459	296	113	50
\$5,000 to \$24,999 .....	617	282	271	64	598	274	263	61
\$25,000 to \$99,999 .....	362	177	162	23	351	177	151	23
\$100,000 or more .....	111	60	33	18	110	59	33	18
Contract labor ----- farms...	1 025	684	229	112	667	417	176	74
----- \$1,000...	7 906	4 526	2 802	578	7 397	4 153	2 693	551
Farms with expenses of—								
\$1 to \$999 .....	408	301	60	47	157	122	17	18
\$1,000 to \$4,999 .....	332	239	61	32	243	160	60	23
\$5,000 to \$24,999 .....	231	112	90	29	213	103	81	29
\$25,000 or more .....	54	32	18	4	54	32	18	4
Repair and maintenance ----- farms...	5 222	3 642	1 227	353	2 262	1 294	764	204
----- \$1,000...	16 873	9 619	5 827	1 427	13 712	7 103	5 332	1 276
Farms with expenses of—								
\$1 to \$4,999 .....	4 353	3 152	903	298	1 504	911	443	150
\$5,000 to \$24,999 .....	785	450	291	44	676	344	288	44
\$25,000 to \$49,999 .....	55	24	25	6	53	23	25	5
\$50,000 or more .....	29	16	8	5	29	16	8	5
Customwork, machine hire, and rental of machinery and equipment ----- farms...	1 276	827	355	94	694	377	248	69
----- \$1,000...	3 570	2 165	1 032	372	3 282	1 948	981	352
Farms with expenses of—								
\$1 to \$999 .....	781	546	183	52	295	167	91	37
\$1,000 to \$4,999 .....	362	203	129	30	266	132	114	20
\$5,000 to \$24,999 .....	115	68	40	7	115	68	40	7
\$25,000 or more .....	18	10	3	5	18	10	3	5
Interest expense ----- farms...	1 981	1 243	640	98	1 206	658	458	90
----- \$1,000...	13 788	8 294	4 819	675	12 029	7 009	4 357	663
Farms with expenses of—								
\$1 to \$4,999 .....	1 395	925	402	68	698	393	245	60
\$5,000 to \$24,999 .....	485	262	199	24	407	209	174	24
\$25,000 to \$99,999 .....	88	49	34	5	88	49	34	5
\$100,000 or more .....	13	7	5	1	13	7	5	1
Secured by real estate ----- farms...	1 410	935	475	-	902	514	388	-
----- \$1,000...	10 563	6 920	3 643	-	9 140	5 804	3 335	-
Farms with expenses of—								
\$1 to \$999 .....	281	175	106	-	144	59	85	-
\$1,000 to \$4,999 .....	659	464	195	-	354	211	143	-
\$5,000 to \$24,999 .....	391	249	142	-	325	197	128	-
\$25,000 or more .....	79	47	32	-	79	47	32	-
Not secured by real estate ----- farms...	950	524	328	98	560	263	207	90
----- \$1,000...	3 225	1 374	1 176	675	2 889	1 204	1 022	663
Farms with expenses of—								
\$1 to \$999 .....	440	295	120	25	173	95	54	24
\$1,000 to \$4,999 .....	375	182	150	43	252	121	95	36
\$5,000 to \$24,999 .....	112	36	52	24	112	36	52	24
\$25,000 or more .....	23	11	6	6	23	11	6	6
Cash rent ----- farms...	1 092	-	822	270	747	-	600	147
----- \$1,000...	3 848	-	2 153	1 695	3 400	-	2 017	1 383
Farms with expenses of—								
\$1 to \$4,999 .....	918	-	722	196	582	-	501	81
\$5,000 to \$9,999 .....	86	-	58	28	80	-	57	23
\$10,000 to \$24,999 .....	65	-	33	32	65	-	33	32
\$25,000 or more .....	23	-	9	14	20	-	9	11
Property taxes ----- farms...	5 817	4 361	1 385	71	2 304	1 476	800	28
----- \$1,000...	15 219	11 296	3 833	89	9 316	6 597	2 645	74
Farms with expenses of—								
\$1 to \$4,999 .....	5 240	3 964	1 209	67	1 849	1 159	666	24
\$5,000 to \$9,999 .....	397	261	133	3	315	212	100	3
\$10,000 to \$24,999 .....	150	111	38	1	111	81	29	1
\$25,000 or more .....	30	25	5	-	29	24	5	-
All other farm production expenses ----- farms...	5 700	3 993	1 342	365	2 489	1 479	804	206
----- \$1,000...	38 248	23 055	11 482	3 711	35 183	20 922	10 620	3 641
Farms with expenses of—								
\$1 to \$4,999 .....	4 694	3 473	949	272	1 532	990	429	113
\$5,000 to \$24,999 .....	744	405	272	67	705	375	263	67
\$25,000 to \$49,999 .....	143	50	78	15	133	49	69	15
\$50,000 or more .....	119	65	43	11	119	65	43	11

See footnotes at end of table.

**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>								
All farms.....number...	6 216	4 389	1 400	427	2 490	1 480	804	206
.....\$1,000.....	84 172	46 891	30 546	6 734	99 131	57 211	34 576	7 343
Average per farm.....dollars...	13 541	10 684	21 819	15 770	39 811	38 656	43 005	35 648
Farms with net gains <sup>2</sup> .....number...	3 017	1 927	818	272	2 084	1 220	680	184
Average net gain.....dollars...	35 387	32 377	44 778	28 462	50 362	49 985	53 552	41 073
Gain of—								
Less than \$1,000.....	374	295	47	32	24	19	4	1
\$1,000 to \$9,999.....	1 131	784	227	120	548	353	132	63
\$10,000 to \$49,999.....	1 077	614	381	82	1 077	614	381	82
\$50,000 or more.....	435	234	163	38	435	234	163	38
Farms with net losses.....number...	3 199	2 462	582	155	406	260	124	22
Average net loss.....dollars...	7 062	6 295	10 451	6 504	14 346	14 506	14 833	9 724
Loss of—								
Less than \$1,000.....	463	346	71	46	39	19	19	1
\$1,000 to \$9,999.....	2 195	1 751	364	80	185	130	46	9
\$10,000 to \$49,999.....	490	341	123	26	164	99	53	12
\$50,000 or more.....	51	24	24	3	18	12	6	-
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>								
Government payments.....farms...	400	157	215	28	244	50	172	22
.....\$1,000.....	2 213	1 088	1 076	49	2 066	1 000	1 022	44
Other farm-related income <sup>1</sup> .....farms...	1 361	933	373	55	570	288	254	28
.....\$1,000.....	5 802	3 261	2 161	380	3 570	1 620	1 762	189
Customwork and other agricultural services.....farms...	449	285	134	30	186	101	72	13
.....\$1,000.....	2 163	1 437	(D)	(D)	1 344	762	(D)	(D)
Gross cash rent or share payments.....farms...	300	226	73	1	122	71	50	1
.....\$1,000.....	477	287	(D)	(D)	213	110	(D)	(D)
Forest products and Christmas trees.....farms...	570	450	91	29	187	108	68	11
.....\$1,000.....	1 780	930	685	164	1 113	422	589	102
Other farm-related income sources.....farms...	368	202	147	19	208	77	118	13
.....\$1,000.....	1 382	607	656	119	901	326	538	36
<b>COMMODITY CREDIT CORPORATION LOANS</b>								
Total.....farms...	8	2	4	2	6	2	4	-
.....\$1,000.....	159	(D)	106	(D)	(D)	(D)	106	-
Corn.....farms...	5	1	4	-	5	1	4	-
.....\$1,000.....	(D)	(D)	106	-	(D)	(D)	106	-
Wheat.....farms...	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Soybeans.....farms...	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Sorghum, barley, and oats.....farms...	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Cotton.....farms...	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey.....farms...	3	1	-	2	1	1	-	-
.....\$1,000.....	(D)	(D)	-	(D)	(D)	(D)	-	-
<b>LAND IN FARMS ACCORDING TO USE</b>								
Total cropland.....farms...	5 654	3 848	1 397	409	2 386	1 324	819	243
.....acres...	272 588	116 106	134 738	21 744	194 870	63 771	112 949	18 150
Harvested cropland.....farms...	5 084	3 377	1 339	368	2 297	1 256	809	232
.....acres...	194 874	73 627	105 444	15 803	148 595	44 929	90 183	13 483
Farms by acres harvested:								
1 to 49 acres.....	4 028	3 073	694	261	1 420	1 023	259	138
50 to 99 acres.....	544	203	282	59	398	138	210	50
100 to 199 acres.....	336	69	233	34	305	63	212	30
200 to 499 acres.....	153	25	116	12	151	25	114	12
500 to 999 acres.....	21	5	14	2	21	5	14	2
1,000 to 1,999 acres.....	1	1	-	-	1	1	-	-
2,000 acres or more.....	1	1	-	-	1	1	-	-
Cropland:								
Pasture or grazing only.....farms...	2 164	1 380	649	135	711	289	355	67
.....acres...	52 884	26 803	21 382	4 699	30 138	10 181	16 294	3 663
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....farms...	362	221	126	15	177	82	85	10
.....acres...	6 986	4 597	1 956	433	5 143	3 088	1 654	401
On which all crops failed.....farms...	208	111	82	15	103	42	50	11
.....acres...	1 531	721	695	115	857	(D)	459	(D)
In cultivated summer fallow.....farms...	73	48	22	3	31	12	17	2
.....acres...	946	690	202	54	411	(D)	192	(D)
Idle.....farms...	857	563	251	43	417	218	173	26
.....acres...	15 367	9 668	5 059	640	9 726	5 112	4 167	447
Total woodland.....farms...	3 382	2 365	885	132	1 327	722	532	73
.....acres...	225 442	147 490	68 684	9 268	119 977	60 342	53 046	6 589
Woodland pastured.....farms...	1 049	650	357	42	404	180	204	20
.....acres...	35 745	21 176	13 330	1 239	19 155	8 367	9 892	876
Woodland not pastured.....farms...	2 933	2 077	739	117	1 184	647	451	66
.....acres...	189 697	126 314	55 354	8 029	100 822	51 955	43 154	5 713

See footnotes at end of table.

**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>								
Pastureland and rangeland other than cropland and woodland pastured	farms... 1 269	830	365	74	393	192	169	32
	acres... 44 998	31 240	11 057	2 701	27 403	17 941	7 587	1 875
Land in house lots, ponds, roads, wasteland, etc.	farms... 4 123	3 018	942	183	1 665	1 028	541	96
	acres... 72 157	53 281	16 554	2 322	39 648	27 014	11 008	1 626
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs	farms... 23	4	18	1	20	2	17	1
	acres... 829	(D)	731	(D)	797	(D)	(D)	(D)
Conservation reserve program	farms... 19	13	5	1	5	1	4	-
	acres... 677	462	(D)	(D)	277	(D)	(D)	-
Value of land and buildings <sup>1</sup>	farms... 6 216	4 389	1 400	427	2 490	1 480	804	206
	\$1,000... 2 154 033	1 326 431	716 381	111 221	1 274 992	696 009	509 617	69 366
Average per farm	dollars... 346 530	302 217	511 701	260 471	512 045	470 276	633 852	336 728
Average per acre	dollars... 3 553	3 807	3 196	3 306	3 391	3 911	2 877	3 311
Farms by value group:								
\$1 to \$39,999	640	503	40	97	131	113	9	9
\$40,000 to \$69,999	488	369	83	36	159	93	42	24
\$70,000 to \$99,999	455	390	39	26	117	78	14	25
\$100,000 to \$149,999	771	602	136	33	272	213	12	12
\$150,000 to \$199,999	761	549	151	61	255	153	87	21
\$200,000 to \$499,999	1 921	1 329	484	108	775	439	265	71
\$500,000 to \$999,999	786	447	306	33	503	254	219	30
\$1,000,000 to \$1,999,999	268	134	105	29	184	91	83	10
\$2,000,000 to \$4,999,999	114	58	52	4	83	39	40	4
\$5,000,000 or more	12	8	4	-	11	7	4	-
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Estimated market value of all machinery and equipment	farms... 6 207	4 381	1 399	427	2 488	1 479	803	206
	\$1,000... 198 868	114 012	69 744	15 112	141 037	72 278	57 194	11 565
Farms by value group:								
\$1 to \$4,999	679	603	31	45	129	118	4	7
\$5,000 to \$9,999	1 426	1 154	190	82	221	163	25	33
\$10,000 to \$19,999	1 271	916	229	126	380	269	71	40
\$20,000 to \$49,999	1 701	1 155	449	97	836	501	267	68
\$50,000 to \$99,999	704	356	309	39	501	234	247	20
\$100,000 to \$199,999	327	155	149	23	322	152	147	23
\$200,000 to \$499,999	86	36	37	13	86	36	37	13
\$500,000 or more	13	6	5	2	13	6	5	2
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Motortrucks, including pickups	farms... 5 204	3 570	1 277	357	2 309	1 333	779	197
	number... 10 957	6 609	3 591	757	6 515	3 342	2 686	487
Wheel tractors	farms... 5 360	3 717	1 328	315	2 202	1 264	777	161
	number... 13 160	7 835	4 545	780	7 164	3 420	3 292	452
Less than 40 horsepower (PTO)	farms... 4 235	2 974	1 000	261	1 640	954	566	120
	number... 7 624	4 978	2 213	433	3 553	1 921	1 426	206
40 horsepower (PTO) or more	farms... 2 915	1 786	944	185	1 524	754	658	112
	number... 5 536	2 857	2 332	347	3 611	1 499	1 866	246
Grain and bean combines	farms... 52	12	38	2	40	9	29	2
	number... 60	(D)	44	(D)	46	(D)	33	(D)
Cottonpickers and strippers	farms... -	-	-	-	-	-	-	-
	number... -	-	-	-	-	-	-	-
Mower conditioners	farms... 1 586	818	643	125	716	246	426	44
	number... 1 783	927	707	149	816	288	482	46
Pickup balers	farms... 1 820	1 008	724	88	768	307	435	26
	number... 1 993	1 057	845	91	879	339	511	29
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>								
Commercial fertilizer	farms... 3 858	2 508	1 056	294	2 047	1 125	742	180
	acres on which used... 138 832	48 104	80 291	10 437	117 306	34 420	73 901	8 985
Lime	farms... 1 339	799	469	71	681	302	334	45
	acres on which used... 23 208	9 482	12 339	1 387	17 920	6 248	10 674	998
	tons... 33 838	13 966	18 268	1 604	26 569	8 915	16 326	1 328
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops	farms... 2 049	1 461	413	175	1 379	870	382	127
	acres on which used... 49 252	22 433	22 383	4 436	45 834	19 536	22 008	4 290
Nematodes in crops	farms... 152	95	51	6	134	77	51	6
	acres on which used... 5 212	2 320	2 570	322	5 171	2 279	2 570	322
Diseases in crops and orchards	farms... 1 093	790	213	90	688	411	197	80
	acres on which used... 25 050	12 611	9 491	2 948	22 986	10 782	9 313	2 891
Weeds, grass, or brush in crops and pasture	farms... 1 690	995	593	102	1 226	611	533	82
	acres on which used... 57 337	18 177	34 855	4 305	54 082	16 033	33 929	4 120
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms... 255	186	35	34	176	114	35	27
	acres on which used... 5 928	2 723	2 851	354	5 682	2 519	2 851	312

See footnotes at end of table.

Table 48. **Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>TENURE AND RACE OF OPERATOR</b>								
All operators .....	6 216	4 313	1 449	454	2 499	1 420	823	256
Full owners .....	4 313	4 313	-	-	1 420	1 420	-	-
Part owners .....	1 449	-	1 449	-	823	-	823	-
Tenants .....	454	-	-	454	256	-	-	256
White .....	6 190	4 294	1 445	451	2 485	1 410	821	254
Full owners .....	4 294	4 294	-	-	1 410	1 410	-	-
Part owners .....	1 445	-	1 445	-	821	-	821	-
Tenants .....	451	-	-	451	254	-	-	254
Black and other races .....	26	19	4	3	14	10	2	2
Full owners .....	19	19	-	-	10	10	-	-
Part owners .....	4	-	4	-	2	-	2	-
Tenants .....	3	-	-	3	2	-	-	2
<b>OWNED AND RENTED LAND</b>								
Land owned .....	5 764	4 313	1 449	2	2 243	1 420	823	-
farms.....	505 108	361 091	(D)	(D)	289 489	173 136	116 353	-
acres.....	5 762	4 313	1 449	-	2 243	1 420	823	-
Owned land in farms .....	491 079	348 117	142 962	-	284 749	169 068	115 681	-
Land rented or leased from others .....	1 922	19	1 449	454	1 087	8	823	256
farms.....	125 835	854	88 839	36 142	97 581	112	69 165	28 304
acres.....	1 903	-	1 449	454	1 079	-	823	256
Rented or leased land in farms .....	124 106	-	88 071	36 035	97 149	-	68 909	28 240
Land rented or leased to others .....	402	319	69	14	145	97	41	7
farms.....	15 758	13 828	(D)	(D)	5 172	4 180	928	64
acres.....								
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated .....	4 918	3 432	1 243	243	1 802	976	690	136
Not on farm operated .....	960	615	153	192	554	341	102	111
Not reported .....	338	266	53	19	143	103	31	9
Operators by principal occupation:								
Farming .....	3 174	1 972	926	276	1 918	996	723	199
Other .....	3 042	2 341	523	178	581	424	100	57
Operators by days of work off farm:								
None .....	2 371	1 558	627	186	1 382	726	518	138
Any .....	3 516	2 511	753	252	957	587	261	109
1 to 99 days .....	552	326	165	61	270	125	103	42
100 to 199 days .....	681	475	168	38	236	151	64	21
200 days or more .....	2 283	1 710	420	153	451	311	94	46
Not reported .....	329	244	69	16	160	107	44	9
Operators by years on present farm:								
2 years or less .....	249	157	49	43	88	40	24	24
3 or 4 years .....	449	299	79	71	161	91	28	42
5 to 9 years .....	1 165	795	226	144	445	248	119	78
10 years or more .....	3 421	2 399	894	128	1 443	838	524	81
Average years on present farm .....	18.8	19.4	19.8	10.1	20.2	20.9	21.8	11.0
Not reported .....	932	663	201	68	362	203	128	31
Operators by age group:								
Under 25 years .....	50	19	6	25	26	6	5	15
25 to 34 years .....	590	290	160	140	271	106	90	75
35 to 44 years .....	1 477	936	391	150	582	297	202	83
45 to 49 years .....	687	495	161	31	271	154	98	19
50 to 54 years .....	642	468	148	26	240	159	68	13
55 to 59 years .....	642	460	150	32	287	171	93	23
60 to 64 years .....	663	447	199	17	297	166	119	12
65 to 69 years .....	595	478	102	15	205	130	67	8
70 years and over .....	870	720	132	18	320	231	81	8
Average age .....	52.6	54.4	50.8	41.2	52.0	54.1	51.5	41.3
Operators by sex:								
Male .....	5 415	3 677	1 334	404	2 317	1 285	789	243
Female .....	801	636	115	50	182	135	34	13
Operators of Spanish origin (see text) .....	24	14	10	-	9	7	2	-
<b>FARMS BY TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship) .....	5 124	3 653	1 145	326	1 757	1 011	588	158
farms.....	431 487	250 693	156 967	23 827	226 640	93 038	115 655	17 947
acres.....	481	270	173	38	278	131	121	26
Partnership .....	73 006	30 671	37 192	5 143	57 189	19 613	33 314	4 262
Corporation:								
Family held .....	493	309	112	72	389	234	99	56
farms.....	81 497	44 372	31 406	5 719	75 917	40 885	30 333	4 699
acres.....	4	3	1	-	3	2	1	-
More than 10 stockholders .....	489	306	111	72	386	232	98	56
farms.....								
Other than family held .....	51	29	5	17	40	21	4	15
farms.....	5 038	2 937	(D)	(D)	4 209	2 152	(D)	(D)
acres.....	6	6	-	-	3	3	-	-
More than 10 stockholders .....	45	23	5	17	37	18	4	15
farms.....								
10 or less stockholders .....								
Other—cooperative, estate or trust, institutional, etc. ....	67	52	14	1	35	23	11	1
farms.....	24 157	19 444	(D)	(D)	17 943	13 380	(D)	(D)
acres.....								

See footnotes at end of table.

Table 48. Summary by Tenure of Operator: 1987—Con.

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>FARMS BY SIZE</b>								
1 to 9 acres -----	1 105	905	71	129	344	271	21	52
10 to 49 acres -----	2 125	1 611	372	142	672	488	115	69
50 to 69 acres -----	587	422	134	31	195	119	54	22
70 to 99 acres -----	539	345	156	38	201	96	77	28
100 to 139 acres -----	566	380	148	38	236	134	80	22
140 to 179 acres -----	324	186	118	20	161	68	77	16
180 to 219 acres -----	264	158	92	14	143	61	73	9
220 to 259 acres -----	163	68	81	14	113	38	65	10
260 to 499 acres -----	386	166	200	20	301	95	186	20
500 to 999 acres -----	126	52	69	5	103	31	67	5
1,000 to 1,999 acres -----	26	15	8	3	25	14	8	3
2,000 acres or more -----	5	5	-	-	5	5	-	-
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) -----	25	15	9	1	12	3	8	1
Field crops, except cash grains (013) -----	975	663	256	56	186	71	90	25
Cotton (0131) -----	-	-	-	-	-	-	-	-
Tobacco (0132) -----	14	9	3	2	14	9	3	2
Sugar cane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) -----	961	654	253	54	172	62	87	23
Vegetables and melons (016) -----	678	379	215	84	400	180	162	58
Fruits and tree nuts (017) -----	956	804	94	58	567	447	79	41
Horticultural specialties (018) -----	630	492	78	60	423	322	59	42
General farms, primarily crop (019) -----	274	207	56	11	36	11	19	6
Livestock, except dairy, poultry, and animal specialties (021) -----	1 233	906	278	49	165	114	46	5
Beef cattle, except feedlots (0212) -----	585	420	136	29	64	44	19	1
Dairy farms (024) -----	556	147	344	65	538	139	337	62
Poultry and eggs (025) -----	134	111	12	11	70	55	5	10
Animal specialties (027) -----	676	536	86	54	81	68	9	4
General farms, primarily livestock and animal specialties (029) -----	79	53	21	5	21	10	9	2
<b>LIVESTOCK</b>								
Cattle and calves inventory ----- farms..	2 112	1 187	776	149	834	297	451	86
number..	83 065	25 370	49 052	8 643	70 457	17 469	45 077	7 911
Farms with--								
1 to 9 -----	951	686	219	46	109	67	35	7
10 to 49 -----	657	377	233	47	241	115	101	25
50 to 99 -----	264	80	148	36	247	72	141	34
100 to 199 -----	169	33	125	11	166	32	123	11
200 to 499 -----	66	9	49	8	66	9	49	8
500 or more -----	5	2	2	1	5	2	2	1
Cows and heifers that had calved ----- farms..	1 757	950	676	131	762	261	419	82
number..	46 605	12 999	28 399	5 207	40 450	9 063	26 516	4 871
Beef cows ----- farms..	1 124	715	345	64	259	121	117	21
number..	9 692	5 764	3 460	468	4 169	2 227	1 775	167
Farms with--								
1 to 9 -----	869	581	241	47	158	76	68	14
10 to 49 -----	229	120	92	17	81	35	39	7
50 to 99 -----	16	8	8	-	12	4	8	-
100 to 199 -----	9	5	4	-	7	5	2	-
200 to 499 -----	1	1	-	-	1	1	-	-
500 or more -----	-	-	-	-	-	-	-	-
Milk cows ----- farms..	838	337	419	82	593	173	351	69
number..	36 913	7 235	24 939	4 739	36 281	6 836	24 741	4 704
Farms with--								
1 to 4 -----	256	174	71	11	43	29	13	1
5 to 9 -----	38	23	11	4	13	7	4	2
10 to 49 -----	249	96	119	34	242	93	116	33
50 to 99 -----	193	31	141	21	193	31	141	21
100 to 199 -----	86	11	67	8	86	11	67	8
200 to 499 -----	16	2	10	4	16	2	10	4
500 or more -----	-	-	-	-	-	-	-	-
Heifers and heifer calves ----- farms..	1 356	670	581	105	653	203	382	68
number..	26 965	7 474	16 798	2 693	23 341	5 336	15 562	2 443
Steers, steer calves, bulls, and bull calves ----- farms..	1 170	650	449	71	431	147	241	43
number..	9 495	4 897	3 855	743	6 666	3 070	2 999	597
Cattle and calves sold ----- farms..	1 725	893	699	133	804	268	451	85
number..	39 668	13 091	22 757	3 820	34 466	9 561	21 442	3 463
\$1,000..	11 297	4 453	5 881	963	9 591	3 316	5 406	869
Calves ----- farms..	1 074	492	491	91	632	190	378	64
number..	20 745	5 697	12 870	2 178	18 708	4 258	12 442	2 008
\$1,000..	1 837	718	964	154	1 547	522	896	129
Cattle ----- farms..	1 514	762	629	123	738	240	417	81
number..	18 923	7 394	9 887	1 642	15 758	5 303	9 000	1 455
\$1,000..	9 461	3 734	4 917	810	8 044	2 793	4 510	741
Fattened on grain and concentrates ----- farms..	352	214	120	18	95	38	48	9
number..	2 712	1 414	1 035	263	1 958	908	817	233
\$1,000..	1 588	766	667	155	1 188	502	546	140

See footnotes at end of table.



**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>LIVESTOCK—Con.</b>								
Hogs and pigs inventory----- farms..	498	333	142	23	168	100	59	9
number..	25 816	18 860	6 463	493	21 817	15 747	5 706	364
Farms with—								
1 to 24 .....	388	249	119	20	97	49	40	8
25 to 49 .....	37	28	7	2	13	7	6	—
50 to 99 .....	18	14	4	—	11	8	3	—
100 to 199 .....	23	18	5	—	17	14	3	—
200 to 499 .....	21	17	3	1	19	15	3	1
500 or more .....	11	7	4	—	11	7	4	—
Used or to be used for breeding ----- farms..	211	136	63	12	83	51	27	5
number..	3 189	2 237	923	29	2 331	1 600	724	7
Other ----- farms..	444	306	121	17	156	96	53	7
number..	22 627	16 623	5 540	464	19 486	14 147	4 982	357
Hogs and pigs sold ----- farms..	387	260	109	18	143	84	52	7
number..	40 048	26 364	13 195	489	34 969	22 706	11 989	274
\$1,000..	4 220	3 114	1 049	57	3 821	2 826	955	39
Feeder pigs ----- farms..	96	62	31	3	25	13	12	—
number..	9 091	3 202	5 803	86	6 647	1 528	5 119	—
\$1,000..	374	124	246	4	295	75	221	—
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 --- farms..	218	141	64	13	85	52	27	6
number..	3 837	2 608	1 197	32	2 972	1 937	1 027	8
Dec. 1 and May 31 ----- farms..	202	132	58	12	82	51	26	5
number..	1 882	1 270	594	18	1 448	934	509	5
June 1 and Nov. 30 ----- farms..	165	114	43	8	67	45	19	3
number..	1 955	1 338	603	14	1 524	1 003	518	3
Sheep and lambs of all ages inventory----- farms..	604	434	148	22	109	58	43	8
number..	14 761	8 806	4 733	1 222	5 170	1 940	2 344	886
Ewes 1 year old or older ----- farms..	521	368	133	20	97	48	41	8
number..	9 597	5 637	(D)	(D)	3 556	1 265	(D)	(D)
Sheep and lambs sold ----- farms..	493	353	119	21	94	49	37	8
number..	11 548	6 314	4 167	1 067	5 172	1 954	2 466	752
Sheep and lambs shorn ----- farms..	511	369	123	19	94	50	36	8
number..	13 036	7 175	4 618	1 243	4 629	1 409	2 359	861
pounds of wool..	95 098	52 144	35 151	7 803	32 353	9 332	18 380	4 641
Horses and ponies inventory----- farms..	1 608	1 162	351	95	282	164	100	18
number..	11 944	8 275	2 707	962	2 387	1 373	838	176
Horses and ponies sold ----- farms..	421	302	87	32	93	66	20	7
number..	1 230	863	284	83	581	403	150	28
Goats inventory ----- farms..	279	200	74	5	58	36	21	1
number..	2 756	2 057	681	18	961	691	(D)	(D)
Goats sold ----- farms..	98	71	25	2	17	9	8	—
number..	1 187	895	(D)	(D)	315	122	193	—
<b>POULTRY</b>								
Chickens 3 months old or older inventory --- farms..	738	510	191	37	208	131	61	16
number..	1 502 202	1 172 275	58 465	271 462	1 485 111	1 159 387	54 763	270 961
Farms with—								
1 to 399 .....	679	468	180	31	149	89	50	10
400 to 3,199 .....	32	21	9	2	32	21	9	2
3,200 to 9,999 .....	7	7	—	—	7	7	—	—
10,000 to 19,999 .....	4	2	—	1	4	2	1	1
20,000 to 49,999 .....	7	5	1	1	7	5	1	1
50,000 to 99,999 .....	4	4	—	—	4	4	—	—
100,000 or more .....	5	3	—	2	5	3	—	2
Hens and pullets of laying age ----- farms..	733	505	191	37	205	128	61	16
number..	1 251 356	931 872	56 138	263 346	1 235 594	919 852	52 829	262 913
Pullets 3 months old or older not of laying age ----- farms..	95	66	21	8	35	24	7	4
number..	250 846	240 403	2 327	8 116	249 517	239 535	1 934	8 048
Hens and pullets sold ----- farms..	192	136	45	11	82	53	22	7
number..	1 195 566	1 018 703	42 391	134 472	1 190 490	1 014 547	41 545	134 398
Broilers and other meat-type chickens sold ----- farms..	37	23	13	1	6	5	1	—
number..	(D)	51 585	629	(D)	(D)	48 225	(D)	—
Farms with—								
1 to 1,999 .....	34	20	13	1	4	3	1	—
2,000 to 59,999 .....	3	3	—	—	2	2	—	—
60,000 to 99,999 .....	—	—	—	—	—	—	—	—
100,000 or more .....	—	—	—	—	—	—	—	—
Turkey hens kept for breeding ----- farms..	25	24	1	—	7	7	—	—
number..	2 140	(D)	(D)	—	(D)	(D)	—	—
Turkeys sold ----- farms..	86	56	23	7	35	22	7	6
number..	153 714	111 275	20 812	21 627	150 109	107 961	(D)	(D)

See footnotes at end of table.

**Table 48. Summary by Tenure of Operator: 1987—Con.**

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

Item	All farms				Farms with sales of \$10,000 or more			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
<b>CROPS HARVESTED</b>								
Corn for silage or green chop ----- farms...	604	168	376	60	468	92	326	50
	acres... 28 643	5 105	20 505	3 033	27 193	4 499	19 779	2 915
tons, green... 524 819	82 668	382 389	59 762	501 419	72 423	371 094	57 902	
Irrigated ----- farms...	6	-	6	-	6	-	6	-
acres... 89	-	89	-	89	-	89	-	
Farms by acres harvested:								
1 to 24 acres -----	274	127	124	23	149	53	82	14
25 to 99 acres -----	250	31	189	30	239	29	181	29
100 to 249 acres -----	69	9	56	4	69	9	56	4
250 to 499 acres -----	9	-	6	3	9	-	6	3
500 acres or more -----	2	1	1	-	2	1	1	-
Irish potatoes ----- farms...	93	42	43	8	73	27	40	6
	acres... 2 628	915	1 606	107	2 588	(D)	1 587	(D)
cwt... 615 427	157 922	439 698	17 807	609 350	(D)	437 518	(D)	
Irrigated ----- farms...	15	5	8	2	11	2	8	1
acres... 150	(D)	76	(D)	148	(D)	76	(D)	
Farms by acres harvested:								
0.1 to 4.9 acres -----	50	29	17	4	34	15	16	3
5.0 to 24.9 acres -----	23	8	13	2	19	7	11	1
25.0 to 99.9 acres -----	15	3	10	2	15	3	10	2
100.0 to 249.9 acres -----	3	1	2	-	3	1	2	-
250.0 acres or more -----	2	1	1	-	2	1	1	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -- farms...	2 874	1 732	975	167	969	352	528	89
	acres... 121 498	44 656	67 762	9 080	80 401	19 718	53 721	6 962
tons, dry... 250 559	82 930	148 270	19 359	189 640	44 693	128 418	16 529	
Irrigated ----- farms...	24	16	7	1	9	3	5	1
acres... 339	273	(D)	(D)	93	45	(D)	(D)	
Farms by acres harvested:								
1 to 24 acres -----	1 542	1 167	311	64	233	141	75	17
25 to 99 acres -----	1 013	513	429	71	443	163	236	44
100 to 249 acres -----	265	41	196	28	240	37	179	24
250 to 499 acres -----	48	8	36	4	47	8	35	4
500 acres or more -----	6	3	3	-	6	3	3	-
Tame hay other than alfalfa, small grain, and wild hay (see text) ----- farms...	1 699	960	636	103	667	225	378	64
	acres... 60 650	23 545	32 472	4 633	39 231	10 268	25 208	3 755
tons, dry... 120 497	42 028	68 542	9 927	88 585	22 127	57 726	8 732	
Irrigated ----- farms...	11	7	3	1	3	-	2	1
acres... 219	201	(D)	(D)	15	-	(D)	(D)	
Vegetables harvested for sale (see text) --- farms...	1 008	560	336	112	622	275	268	79
	acres... 16 325	4 770	9 731	1 824	15 064	3 953	9 406	1 705
Irrigated ----- farms...	312	150	135	27	224	84	119	21
acres... 4 750	1 281	3 071	398	4 534	1 143	3 007	384	
Farms by acres harvested:								
0.1 to 4.9 acres -----	438	321	83	34	135	87	37	11
5.0 to 24.9 acres -----	386	195	132	59	305	144	112	49
25.0 to 99.9 acres -----	156	42	97	17	154	42	95	17
100.0 to 249.9 acres -----	26	1	23	2	26	1	23	2
250.0 acres or more -----	2	1	1	-	2	1	1	-
Sweet corn harvested for sale ----- farms...	596	309	230	57	394	153	195	46
	acres... 8 444	2 299	5 142	1 002	7 917	1 939	5 028	950
Irrigated ----- farms...	163	78	77	8	117	39	71	7
acres... 2 042	530	1 448	64	1 949	(D)	1 417	(D)	
Land in orchards ----- farms...	572	447	101	24	247	155	78	14
	acres... 9 379	5 570	3 183	627	7 886	4 210	3 086	590
Irrigated ----- farms...	57	40	13	4	31	21	9	1
acres... 267	174	78	15	177	106	(D)	(D)	
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres -----	269	225	33	11	52	32	16	4
5.0 to 24.9 acres -----	201	161	36	4	99	68	30	1
25.0 to 99.9 acres -----	82	52	22	8	76	46	22	8
100.0 to 249.9 acres -----	18	8	9	1	18	8	9	1
250.0 acres or more -----	2	1	1	-	2	1	1	-
Berries harvested for sale ----- farms...	890	690	140	60	571	409	116	46
	acres... 13 385	10 970	1 424	991	12 657	10 293	1 387	977
Irrigated ----- farms...	646	516	82	48	487	372	75	40
acres... 12 499	10 307	1 222	971	12 189	10 017	1 210	963	

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 49. Summary by Type of Organization: 1987**

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stockholders	Total	10 or less stockholders	
<b>FARMS AND LAND IN FARMS</b>									
Farms.....number..	6 216	5 124	481	544	493	489	51	45	67
.....percent..	100.0	82.4	7.7	8.8	7.9	7.9	.8	.7	1.1
Land in farms.....acres..	615 185	431 487	73 006	86 535	81 497	79 707	5 038	3 738	24 157
Average size of farm.....acres..	99	84	152	159	165	163	99	83	361
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>									
Total sales (see text).....farms..	6 216	5 124	481	544	493	489	51	45	67
.....\$1,000..	340 464	145 101	31 307	155 573	128 448	125 808	27 125	11 432	8 484
Average per farm.....dollars..	54 772	28 318	65 088	285 979	260 543	257 276	531 866	254 038	126 625
Farms by value of sales:									
Less than \$1,000 (see text).....	1 133	1 044	50	31	28	28	3	3	8
\$1,000 to \$2,499.....	1 034	939	59	28	26	26	2	-	8
\$2,500 to \$4,999.....	830	759	40	20	19	19	1	-	11
\$5,000 to \$9,999.....	720	625	54	36	31	30	5	5	5
\$10,000 to \$19,999.....	591	467	55	61	57	57	4	4	8
\$20,000 to \$24,999.....	179	141	16	19	17	17	2	2	3
\$25,000 to \$39,999.....	356	288	33	30	25	25	5	5	5
\$40,000 to \$49,999.....	138	106	19	11	10	10	1	1	2
\$50,000 to \$99,999.....	515	364	64	80	70	70	10	10	7
\$100,000 to \$249,999.....	475	301	72	97	93	91	4	4	5
\$250,000 to \$499,999.....	148	71	13	63	62	62	1	1	1
\$500,000 to \$999,999.....	53	12	4	35	29	29	6	6	2
\$1,000,000 or more.....	44	7	2	33	26	25	7	4	2
Grains.....farms..									
.....\$1,000..	78	61	10	6	5	5	1	1	1
Sales of \$50,000 or more.....farms..	5	3	1	-	-	-	-	-	-
.....\$1,000..	332	(D)	(D)	-	-	-	-	-	(D)
Corn for grain.....farms..									
.....\$1,000..	67	51	10	5	4	4	1	1	1
Wheat.....farms..	729	433	195	(D)	(D)	(D)	(D)	(D)	(D)
.....\$1,000..	3	3	-	-	-	-	-	-	-
Soybeans.....farms..	(D)	(D)	-	-	-	-	-	-	-
.....\$1,000..	-	-	-	-	-	-	-	-	-
Sorghum for grain.....farms..									
.....\$1,000..	-	-	-	-	-	-	-	-	-
Barley.....farms..	-	-	-	-	-	-	-	-	-
.....\$1,000..	-	-	-	-	-	-	-	-	-
Oats.....farms..	5	5	-	-	-	-	-	-	-
.....\$1,000..	(D)	(D)	-	-	-	-	-	-	-
Other grains.....farms..	7	6	-	1	1	1	-	-	-
.....\$1,000..	39	(D)	-	(D)	(D)	(D)	-	-	-
Cotton and cottonseed.....farms..									
.....\$1,000..	-	-	-	-	-	-	-	-	-
Sales of \$50,000 or more.....farms..	-	-	-	-	-	-	-	-	-
.....\$1,000..	-	-	-	-	-	-	-	-	-
Tobacco.....farms..									
.....\$1,000..	21	12	4	5	3	3	2	2	-
Sales of \$50,000 or more.....farms..	4 587	861	498	3 228	(D)	(D)	(D)	(D)	-
.....\$1,000..	11	4	2	5	3	3	2	2	-
.....\$1,000..	4 355	(D)	(D)	3 228	(D)	(D)	(D)	(D)	-
Hay, silage, and field seeds.....farms..									
.....\$1,000..	1 569	1 335	144	72	66	66	6	5	18
Sales of \$50,000 or more.....farms..	7 803	5 893	1 307	386	345	345	41	(D)	217
.....\$1,000..	18	10	6	1	1	1	-	-	1
.....\$1,000..	1 250	673	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Vegetables, sweet corn, and melons.....farms..									
.....\$1,000..	1 007	821	104	72	66	66	6	6	10
Sales of \$50,000 or more.....farms..	25 179	17 350	4 404	3 276	3 180	3 180	97	97	148
.....\$1,000..	138	93	24	21	21	21	-	-	-
.....\$1,000..	15 627	9 703	3 355	2 570	2 570	2 570	-	-	-
Fruits, nuts, and berries.....farms..									
.....\$1,000..	1 186	903	99	167	155	153	12	11	17
Sales of \$50,000 or more.....farms..	92 349	30 003	8 943	49 100	45 637	(D)	3 463	(D)	4 303
.....\$1,000..	305	167	25	108	99	97	9	8	5
.....\$1,000..	83 747	23 374	7 962	48 248	44 866	(D)	3 382	(D)	4 164
Nursery and greenhouse crops.....farms..									
.....\$1,000..	824	565	69	181	169	169	12	12	9
Sales of \$50,000 or more.....farms..	80 867	23 879	4 118	51 245	46 979	46 979	4 266	4 266	1 624
.....\$1,000..	212	95	21	95	84	84	11	11	1
.....\$1,000..	73 509	18 654	(D)	49 817	(D)	(D)	(D)	(D)	(D)
Other crops.....farms..									
.....\$1,000..	114	84	17	10	8	8	2	2	3
Sales of \$50,000 or more.....farms..	4 285	1 401	239	2 628	(D)	(D)	(D)	(D)	17
.....\$1,000..	12	6	2	4	4	4	-	-	-
.....\$1,000..	3 520	(D)	(D)	2 568	2 568	2 568	-	-	-
Poultry and poultry products.....farms..									
.....\$1,000..	498	403	32	49	43	42	6	5	14
Sales of \$50,000 or more.....farms..	23 149	4 910	241	17 634	14 741	(D)	2 893	(D)	365
.....\$1,000..	44	19	2	22	19	19	3	2	1
.....\$1,000..	22 016	4 068	(D)	17 489	14 596	14 596	2 893	(D)	(D)
Dairy products.....farms..									
.....\$1,000..	609	464	83	52	50	48	2	2	10
Sales of \$50,000 or more.....farms..	63 309	42 876	9 158	10 205	(D)	(D)	(D)	(D)	1 070
.....\$1,000..	409	299	60	42	41	40	1	1	3
.....\$1,000..	58 969	39 293	(D)	9 910	(D)	(D)	(D)	(D)	(D)
Cattle and calves.....farms..									
.....\$1,000..	1 725	1 448	171	84	78	77	6	6	22
Sales of \$50,000 or more.....farms..	11 297	7 766	1 481	1 882	1 822	(D)	61	61	169
.....\$1,000..	25	15	4	6	6	6	-	-	-
.....\$1,000..	2 563	1 379	272	912	912	912	-	-	-

See footnotes at end of table.

**Table 49. Summary by Type of Organization: 1987—Con.**

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

Item	Corporation								Other— cooperative, estate or trust, institutional, etc.	
	Total	Individual or family	Partnership	Family held		Other than family held		Total		10 or less stock- holders
				Total	10 or less stock- holders	Total	10 or less stock- holders			
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>										
Total sales (see text)—Con.										
Hogs and pigs	farms... 387	324	28	26	23	23	3	1	9	
	\$1,000... 4 220	2 765	332	1 058	1 051	1 051	7	(D)	66	
Sales of \$50,000 or more	farms... 15	10	2	3	3	3	—	—	—	
	\$1,000... 2 705	1 548	(D)	(D)	(D)	(D)	—	—	—	
Sheep, lambs, and wool	farms... 563	500	29	21	19	18	2	2	13	
	\$1,000... 884	483	166	(D)	196	(D)	(D)	(D)	(D)	
Sales of \$50,000 or more	farms... 1	—	—	1	1	1	—	—	—	
	\$1,000... (D)	—	—	(D)	(D)	(D)	—	—	—	
Other livestock and livestock products (see text)	farms... 722	641	35	38	35	35	3	2	8	
	\$1,000... 21 749	6 456	225	14 644	1 218	1 218	13 427	(D)	424	
Sales of \$50,000 or more	farms... 25	13	2	9	7	7	2	1	1	
	\$1,000... 19 082	4 123	(D)	14 452	(D)	(D)	(D)	(D)	(D)	
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>										
Total farm production expenses	farms... 6 216	5 032	516	574	515	512	59	55	94	
	\$1,000... 251 496	106 700	22 781	114 312	91 753	90 242	22 559	8 922	7 703	
Average per farm	dollars... 40 460	21 204	44 150	199 149	178 160	176 254	382 358	162 213	81 946	
Livestock and poultry purchased	farms... 1 559	1 270	136	117	109	108	8	6	36	
	\$1,000... 11 441	5 913	615	4 771	2 704	(D)	2 067	(D)	141	
Farms with expenses of—										
\$1 to \$4,999	1 238	1 049	104	60	60	59	—	—	25	
\$5,000 to \$24,999	242	174	27	30	25	25	5	5	11	
\$25,000 to \$99,999	64	41	5	18	17	17	1	—	—	
\$100,000 or more	15	6	—	9	7	7	2	1	—	
Feed for livestock and poultry	farms... 2 893	2 417	243	199	176	175	23	21	34	
	\$1,000... 33 525	16 621	2 925	13 357	10 044	(D)	3 313	(D)	623	
Farms with expenses of—										
\$1 to \$4,999	2 130	1 894	135	79	74	74	5	5	22	
\$5,000 to \$24,999	448	332	72	39	35	35	4	4	5	
\$25,000 to \$99,999	271	173	34	58	48	47	10	10	6	
\$100,000 or more	44	18	2	23	19	19	4	2	1	
Commercially mixed formula feeds	farms... 1 552	1 216	163	142	123	122	19	17	31	
	\$1,000... 26 256	11 531	2 271	11 960	9 023	(D)	2 938	(D)	493	
Farms with expenses of—										
\$1 to \$4,999	992	849	77	46	42	42	4	4	20	
\$5,000 to \$24,999	322	217	59	41	30	30	11	11	5	
\$25,000 to \$79,999	192	130	24	33	32	31	1	1	5	
\$80,000 or more	46	20	3	22	19	19	3	1	1	
Seeds, bulbs, plants, and trees	farms... 2 429	1 857	273	268	247	246	21	21	31	
	\$1,000... 6 227	2 592	467	2 893	2 739	(D)	154	154	275	
Farms with expenses of—										
\$1 to \$999	1 651	1 370	135	124	109	109	15	15	22	
\$1,000 to \$4,999	618	398	123	89	86	85	3	3	8	
\$5,000 to \$24,999	121	75	13	33	31	31	2	2	—	
\$25,000 or more	39	14	2	22	21	21	1	1	1	
Commercial fertilizer	farms... 3 858	3 029	379	391	354	351	37	36	59	
	\$1,000... 8 953	4 708	1 135	2 880	2 595	2 478	284	(D)	231	
Farms with expenses of—										
\$1 to \$4,999	3 420	2 773	315	285	255	254	30	30	47	
\$5,000 to \$24,999	398	248	59	80	78	78	2	2	11	
\$25,000 to \$49,999	28	8	3	17	14	13	3	2	—	
\$50,000 or more	12	—	2	9	7	6	2	2	1	
Agricultural chemicals	farms... 3 027	2 276	302	405	379	376	26	25	44	
	\$1,000... 7 319	3 216	796	3 102	2 919	2 882	182	(D)	205	
Farms with expenses of—										
\$1 to \$4,999	2 719	2 121	266	293	273	271	20	20	39	
\$5,000 to \$24,999	264	151	31	78	74	74	4	4	4	
\$25,000 to \$49,999	29	2	4	23	22	21	1	1	—	
\$50,000 or more	15	2	1	11	10	10	1	—	1	
Petroleum products	farms... 5 859	4 712	497	557	498	495	59	55	93	
	\$1,000... 12 042	5 950	1 263	4 605	4 159	4 159	445	363	225	
Farms with expenses of—										
\$1 to \$4,999	5 438	4 500	446	408	362	361	46	45	84	
\$5,000 to \$24,999	369	204	45	112	104	102	8	6	8	
\$25,000 to \$49,999	32	6	4	22	19	19	3	2	—	
\$50,000 or more	20	2	2	15	13	13	2	2	1	
Gasoline and gasohol	farms... 5 243	4 218	445	505	449	446	56	52	75	
	\$1,000... 5 325	3 066	569	1 572	1 403	1 385	170	127	117	
Diesel fuel	farms... 2 743	2 080	282	325	292	290	33	30	56	
	\$1,000... 2 585	1 394	329	794	741	(D)	53	(D)	69	
Natural gas	farms... 175	113	13	46	41	40	5	4	3	
	\$1,000... 841	223	109	506	454	(D)	51	(D)	3	
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms... 3 773	2 967	320	433	381	378	52	48	53	
	\$1,000... 3 291	1 266	256	1 733	1 562	1 559	171	163	35	

See footnotes at end of table.

**Table 49. Summary by Type of Organization: 1987—Con.**

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.	
				Total	Family held		Other than family held			
					Total	10 or less stockholders	Total	10 or less stockholders		
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>										
—Con.										
Total farm production expenses—Con.										
Electricity ----- farms.....	4 286	3 356	430	438	392	389	46	42	62	
..... \$1,000.....	5 959	2 749	592	2 527	1 794	1 775	733	358	90	
Farms with expenses of—										
\$1 to \$999.....	3 151	2 658	278	167	149	148	18	17	48	
\$1,000 to \$4,999.....	895	594	129	164	154	154	10	10	8	
\$5,000 to \$24,999.....	225	104	21	95	80	78	15	14	5	
\$25,000 or more.....	15	-	2	12	9	9	3	1	1	
Hired farm labor ----- farms.....	2 185	1 546	203	391	357	354	34	30	45	
..... \$1,000.....	66 579	18 162	5 135	40 076	30 593	30 305	9 483	3 590	3 206	
Farms with expenses of—										
\$1 to \$4,999.....	1 095	904	85	80	75	75	5	4	26	
\$5,000 to \$24,999.....	617	444	67	95	91	90	4	4	11	
\$25,000 to \$99,999.....	362	183	44	131	118	117	13	13	4	
\$100,000 or more.....	111	15	7	85	73	72	12	9	4	
Contract labor ----- farms.....	1 025	734	77	199	173	172	26	26	15	
..... \$1,000.....	7 906	2 726	673	4 332	3 970	(D)	362	362	174	
Farms with expenses of—										
\$1 to \$999.....	408	314	31	59	59	59	-	-	4	
\$1,000 to \$4,999.....	332	268	22	42	28	28	4	4	10	
\$5,000 to \$24,999.....	231	136	17	78	58	57	20	20	-	
\$25,000 or more.....	54	16	7	30	28	28	2	2	1	
Repair and maintenance ----- farms.....	5 222	4 195	454	530	472	469	58	54	43	
..... \$1,000.....	16 873	9 185	1 803	5 446	5 038	4 934	407	330	439	
Farms with expenses of—										
\$1 to \$4,999.....	4 353	3 721	353	250	215	215	35	34	29	
\$5,000 to \$24,999.....	785	446	97	232	213	211	19	18	10	
\$25,000 to \$49,999.....	55	23	2	27	23	23	4	2	3	
\$50,000 or more.....	29	5	2	21	21	20	-	-	1	
Customwork, machine hire, and rental of machinery and equipment ----- farms.....	1 276	976	142	151	146	145	5	4	7	
..... \$1,000.....	3 570	1 333	359	1 853	1 775	(D)	77	(D)	25	
Farms with expenses of—										
\$1 to \$999.....	781	641	73	63	62	62	1	1	4	
\$1,000 to \$4,999.....	362	281	49	31	31	-	-	-	1	
\$5,000 to \$24,999.....	115	50	18	45	42	41	3	2	2	
\$25,000 or more.....	18	4	2	12	11	11	1	1	-	
Interest expense ----- farms.....	1 981	1 497	185	282	251	249	31	30	17	
..... \$1,000.....	13 788	7 331	1 531	4 433	3 909	(D)	524	(D)	492	
Farms with expenses of—										
\$1 to \$4,999.....	1 395	1 099	126	156	143	142	13	13	14	
\$5,000 to \$24,999.....	485	356	49	78	67	66	11	11	2	
\$25,000 to \$99,999.....	88	40	8	40	33	33	7	6	-	
\$100,000 or more.....	13	2	2	8	8	8	-	-	1	
Secured by real estate ----- farms.....	1 410	1 084	118	203	177	175	26	25	5	
..... \$1,000.....	10 563	5 812	1 167	3 127	2 847	(D)	280	(D)	457	
Farms with expenses of—										
\$1 to \$999.....	281	233	19	28	28	28	-	-	1	
\$1,000 to \$4,999.....	659	521	58	79	67	66	12	12	1	
\$5,000 to \$24,999.....	391	296	33	60	49	48	11	10	2	
\$25,000 or more.....	79	34	8	36	33	33	3	3	1	
Not secured by real estate ----- farms.....	950	701	91	145	136	136	9	8	13	
..... \$1,000.....	3 225	1 519	364	1 306	1 061	1 061	245	(D)	36	
Farms with expenses of—										
\$1 to \$999.....	440	370	30	36	36	36	-	-	4	
\$1,000 to \$4,999.....	375	258	48	60	59	59	1	1	9	
\$5,000 to \$24,999.....	112	66	12	34	31	31	3	3	-	
\$25,000 or more.....	23	7	1	15	10	10	5	4	-	
Cash rent ----- farms.....	1 092	766	144	172	156	155	16	16	10	
..... \$1,000.....	3 848	1 843	356	1 581	1 404	(D)	177	177	68	
Farms with expenses of—										
\$1 to \$4,999.....	918	668	121	120	106	106	14	14	9	
\$5,000 to \$9,999.....	86	57	14	15	15	14	-	-	-	
\$10,000 to \$24,999.....	65	37	9	19	19	19	-	-	-	
\$25,000 or more.....	23	4	-	18	16	16	2	2	1	
Property taxes ----- farms.....	5 817	4 747	507	482	442	439	40	37	81	
..... \$1,000.....	15 219	9 907	1 642	3 260	2 966	2 906	294	209	411	
Farms with expenses of—										
\$1 to \$4,999.....	5 240	4 409	440	327	296	295	31	31	64	
\$5,000 to \$9,999.....	397	250	56	80	78	77	2	2	11	
\$10,000 to \$24,999.....	150	80	10	56	52	52	4	3	4	
\$25,000 or more.....	30	8	1	19	16	15	3	1	2	
All other farm production expenses ----- farms.....	5 700	4 567	502	561	503	500	58	54	70	
..... \$1,000.....	38 248	14 465	3 490	19 196	15 142	14 387	4 054	1 252	1 097	
Farms with expenses of—										
\$1 to \$4,999.....	4 694	3 971	379	285	252	250	33	32	59	
\$5,000 to \$24,999.....	744	479	97	162	156	156	6	6	6	
\$25,000 to \$49,999.....	143	81	16	44	33	33	11	11	2	
\$50,000 or more.....	119	36	10	70	62	61	8	5	3	

See footnotes at end of table.

Table 49. Summary by Type of Organization: 1987—Con.

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

Item	Corporation								Other— cooperative, estate or trust, institutional, etc.	
	Total	Individual or family	Partnership	Total	Family held		Other than family held			
					Total	10 or less stock- holders	Total	10 or less stock- holders		
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>										
All farms.....	number.....	6 216	5 032	516	574	515	512	59	55	94
	\$1,000.....	84 172	34 010	8 557	40 792	35 984	34 864	4 808	2 754	813
Average per farm.....	dollars.....	13 541	6 759	18 583	71 066	69 872	68 094	81 484	50 067	8 651
Farms with net gains <sup>2</sup> .....	number.....	3 017	2 235	345	378	339	336	39	36	59
	Average net gain.....	35 387	22 394	29 260	119 659	116 164	113 868	150 036	105 483	23 482
Gain of—										
Less than \$1,000.....		374	332	23	5	5	5	-	-	14
\$1,000 to \$9,999.....		1 131	873	121	104	98	98	6	6	33
\$10,000 to \$49,999.....		1 077	798	149	126	110	109	16	16	4
\$50,000 or more.....		435	232	52	143	126	124	17	14	8
Farms with net losses.....	number.....	3 199	2 797	171	196	176	176	20	19	35
	Average net loss.....	7 062	5 735	8 992	22 650	19 293	19 293	52 193	(D)	16 350
Loss of—										
Less than \$1,000.....		463	435	16	11	10	10	1	-	1
\$1,000 to \$9,999.....		2 195	1 987	112	77	77	77	-	-	19
\$10,000 to \$49,999.....		490	355	43	80	71	71	9	9	12
\$50,000 or more.....		51	20	-	28	18	18	10	10	3
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>										
Government payments.....	farms.....	400	302	55	37	36	35	1	1	6
	\$1,000.....	2 213	862	370	974	(D)	(D)	(D)	(D)	8
Other farm-related income <sup>1</sup> .....	farms.....	1 361	1 113	136	102	101	100	1	-	10
	\$1,000.....	5 802	3 820	582	1 388	(D)	(D)	(D)	-	13
Customwork and other agricultural services.....	farms.....	449	372	31	40	40	40	-	-	6
	\$1,000.....	2 163	1 471	153	533	533	533	-	-	6
Gross cash rent or share payments.....	farms.....	300	237	47	14	13	13	1	-	2
	\$1,000.....	477	299	165	(D)	12	12	(D)	-	(D)
Forest products and Christmas trees.....	farms.....	570	462	65	41	41	41	-	-	2
	\$1,000.....	1 780	1 303	149	(D)	(D)	(D)	-	-	(D)
Other farm-related income sources.....	farms.....	368	275	58	34	34	33	-	-	1
	\$1,000.....	1 382	746	115	(D)	(D)	(D)	-	-	(D)
<b>COMMODITY CREDIT CORPORATION LOANS</b>										
Total.....	farms.....	8	5	2	1	-	-	1	1	-
	\$1,000.....	159	34	(D)	(D)	-	-	(D)	(D)	-
Corn.....	farms.....	5	3	1	1	-	-	1	1	-
	\$1,000.....	(D)	(D)	(D)	(D)	-	-	(D)	(D)	-
Wheat.....	farms.....	-	-	-	-	-	-	-	-	-
	\$1,000.....	-	-	-	-	-	-	-	-	-
Soybeans.....	farms.....	-	-	-	-	-	-	-	-	-
	\$1,000.....	-	-	-	-	-	-	-	-	-
Sorghum, barley, and oats.....	farms.....	-	-	-	-	-	-	-	-	-
	\$1,000.....	-	-	-	-	-	-	-	-	-
Cotton.....	farms.....	-	-	-	-	-	-	-	-	-
	\$1,000.....	-	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey.....	farms.....	3	2	1	-	-	-	-	-	-
	\$1,000.....	(D)	(D)	(D)	-	-	-	-	-	-
<b>LAND IN FARMS ACCORDING TO USE</b>										
Total cropland.....	farms.....	5 654	4 656	450	488	445	441	43	41	60
	acres.....	272 588	188 541	35 187	40 674	37 876	37 458	2 798	(D)	8 186
Harvested cropland.....	farms.....	5 084	4 141	422	467	426	423	41	39	54
	acres.....	194 874	132 454	25 719	32 047	29 871	29 472	2 176	(D)	4 654
Farms by acres harvested:										
1 to 49 acres.....		4 028	3 404	263	328	300	299	28	28	33
50 to 99 acres.....		544	422	71	45	43	43	2	2	6
100 to 199 acres.....		336	215	59	53	43	42	10	8	9
200 to 499 acres.....		153	90	25	33	33	32	-	-	5
500 to 999 acres.....		21	10	4	6	5	5	1	1	1
1,000 to 1,999 acres.....		1	-	-	1	1	1	-	-	-
2,000 acres or more.....		1	-	-	1	1	1	-	-	-
Cropland:										
Pasture or grazing only.....	farms.....	2 164	1 853	194	91	84	83	7	7	26
	acres.....	52 884	40 846	7 286	3 852	3 709	(D)	143	143	900
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....	farms.....	362	285	37	36	33	33	3	2	4
	acres.....	6 986	3 510	491	2 650	2 286	2 286	364	(D)	335
On which all crops failed.....	farms.....	208	167	18	20	20	20	-	-	3
	acres.....	1 531	1 193	157	158	158	158	-	-	23
In cultivated summer fallow.....	farms.....	73	55	7	8	8	8	-	-	3
	acres.....	846	719	90	94	94	94	-	-	43
Idle.....	farms.....	857	689	71	86	79	78	7	7	11
	acres.....	15 367	9 819	1 444	1 873	1 758	(D)	115	115	2 231
Total woodland.....	farms.....	3 382	2 829	275	236	219	217	17	15	42
	acres.....	225 442	167 401	26 932	21 769	20 960	(D)	809	(D)	9 340
Woodland pastured.....	farms.....	1 049	882	97	57	53	52	4	4	13
	acres.....	35 745	28 197	4 522	1 776	1 736	(D)	40	40	1 250
Woodland not pastured.....	farms.....	2 933	2 450	233	211	201	200	14	12	35
	acres.....	189 697	139 204	22 410	19 993	19 224	(D)	769	(D)	8 090

See footnotes at end of table.

**Table 49. Summary by Type of Organization: 1987—Con.**

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stock-holders	Total	10 or less stock-holders	
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>									
Pastureland and rangeland other than cropland and woodland pastured .....	farms... 1 269	1 085	90	76	70	69	6	3	18
acres... 44 998	25 629	5 733	9 174	8 959	(D)	215	15	4 462	
Land in house lots, ponds, roads, wasteland, etc. ....	farms... 4 123	3 379	318	387	354	350	33	29	39
acres... 72 157	49 916	5 154	14 918	13 702	12 414	1 216	906	2 169	
Cropland under federal acreage reduction programs:									
Annual commodity acreage adjustment programs .....	farms... 23	13	5	5	4	4	1	1	-
acres... 829	431	198	200	(D)	(D)	(D)	(D)	-	
Conservation reserve program .....	farms... 19	12	2	3	3	3	-	-	2
acres... 677	278	(D)	317	317	317	-	-	(D)	
Value of land and buildings <sup>1</sup> .....	farms... 6 216	5 032	516	574	515	512	59	55	94
\$1,000... 2 154 033	1 569 112	212 377	308 292	281 127	276 606	27 165	21 309	64 252	
Average per farm .....	dollars... 346 530	311 827	411 583	537 094	545 878	540 246	460 424	387 436	683 532
Average per acre .....	dollars... 3 553	3 711	2 750	3 701	3 552	3 574	6 536	7 160	2 801
Farms by value group:									
\$1 to \$39,999 .....	640	519	29	76	74	74	2	2	16
\$40,000 to \$69,999 .....	488	413	35	32	22	22	10	10	8
\$70,000 to \$99,999 .....	455	410	29	7	6	6	1	1	9
\$100,000 to \$149,999 .....	771	654	54	47	36	36	11	11	16
\$150,000 to \$199,999 .....	761	643	73	43	41	41	2	1	2
\$200,000 to \$499,999 .....	1 921	1 519	170	218	195	194	23	23	14
\$500,000 to \$999,999 .....	786	610	74	86	83	83	3	3	16
\$1,000,000 to \$1,999,999 .....	268	194	33	35	31	30	4	2	6
\$2,000,000 to \$4,999,999 .....	114	67	18	23	20	19	3	2	6
\$5,000,000 or more .....	12	3	1	7	7	7	-	-	1
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>									
Estimated market value of all machinery and equipment .....	farms... 6 207	5 023	516	574	515	512	59	55	94
\$1,000... 198 868	127 375	24 639	40 524	35 470	34 639	5 054	3 769	6 331	
Farms by value group:									
\$1 to \$4,999 .....	679	624	24	30	29	29	1	1	1
\$5,000 to \$9,999 .....	1 426	1 224	124	75	63	63	12	12	3
\$10,000 to \$19,999 .....	1 271	1 041	102	88	84	84	4	4	40
\$20,000 to \$49,999 .....	1 701	1 404	120	147	131	131	16	15	30
\$50,000 to \$99,999 .....	704	515	75	106	94	93	12	11	8
\$100,000 to \$199,999 .....	327	185	56	78	69	68	9	9	8
\$200,000 to \$499,999 .....	86	29	14	41	38	38	3	2	2
\$500,000 or more .....	13	1	1	9	7	6	2	1	2
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>									
Motortrucks, including pickups .....	farms... 5 204	4 131	458	526	470	467	56	52	89
number... 10 957	7 762	1 064	1 851	1 724	1 683	127	104	280	
Wheel tractors .....	farms... 5 360	4 313	480	489	434	432	55	51	78
number... 13 160	9 861	1 501	1 584	1 480	(D)	104	92	214	
Less than 40 horsepower (PTO) .....	farms... 4 235	3 417	386	374	329	328	45	42	58
number... 7 624	5 895	804	831	771	(D)	60	55	94	
40 horsepower (PTO) or more .....	farms... 2 915	2 269	304	289	269	267	20	16	53
number... 5 536	3 966	697	753	709	(D)	44	37	120	
Grain and bean combines .....	farms... 52	30	12	7	6	6	1	1	3
number... 60	32	18	7	(D)	(D)	(D)	(D)	3	
Cottonpickers and strippers .....	farms... -	-	-	-	-	-	-	-	-
number... -	-	-	-	-	-	-	-	-	
Mower conditioners .....	farms... 1 586	1 306	139	106	103	102	3	2	35
number... 1 783	1 433	158	154	150	(D)	4	(D)	38	
Pickup balers .....	farms... 1 820	1 518	195	69	67	66	2	1	38
number... 1 993	1 638	223	88	(D)	(D)	(D)	(D)	44	
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>									
Commercial fertilizer .....	farms... 3 858	3 029	379	391	354	351	37	36	59
acres on which used... 138 832	88 101	20 357	26 648	25 321	24 912	1 327	(D)	3 726	
Lime .....	farms... 1 339	1 068	132	117	100	99	17	17	22
acres on which used... 23 208	14 857	3 367	3 937	3 730	(D)	207	207	1 047	
tons... 33 838	22 611	5 701	4 573	4 351	(D)	222	222	953	
Sprays, dusts, granules, fumigants, etc., to control—									
Insects on hay and other crops .....	farms... 2 049	1 502	188	325	305	302	20	19	34
acres on which used... 49 252	25 615	6 526	15 711	14 729	14 375	982	(D)	1 400	
Nematodes in crops .....	farms... 152	86	29	29	26	26	3	3	8
acres on which used... 5 212	2 013	771	2 270	2 060	2 060	210	210	158	
Diseases in crops and orchards .....	farms... 1 093	771	113	181	172	172	8	7	28
acres on which used... 25 050	12 100	3 240	9 394	8 846	(D)	548	(D)	316	
Weeds, grass, or brush in crops and pasture .....	farms... 1 690	1 231	205	230	222	220	8	7	24
acres on which used... 57 337	32 057	8 227	15 159	14 529	(D)	630	(D)	1 894	
Chemicals for defoliation or for growth control of crops or thinning of fruit .....	farms... 255	198	12	45	42	42	3	3	-
acres on which used... 5 928	2 829	308	2 791	2 779	2 779	12	12	-	

See footnotes at end of table.

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Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stockholders	Total	10 or less stockholders	
<b>TENURE AND RACE OF OPERATOR</b>									
All operators .....	6 216	5 124	481	544	493	489	51	45	67
Full owners .....	4 313	3 653	270	338	309	306	29	23	52
Part owners .....	1 449	1 145	173	117	112	111	5	5	14
Tenants .....	454	326	38	89	72	72	17	17	1
White .....	6 190	5 101	481	541	490	486	51	45	67
Full owners .....	4 294	3 636	270	336	307	304	29	23	52
Part owners .....	1 445	1 142	173	116	111	110	5	5	14
Tenants .....	451	323	38	89	72	72	17	17	1
Black and other races .....	26	23	-	3	3	3	-	-	-
Full owners .....	19	17	-	2	2	2	-	-	-
Part owners .....	4	3	-	1	1	1	-	-	-
Tenants .....	3	3	-	-	-	-	-	-	-
<b>OWNED AND RENTED LAND</b>									
Land owned .....	farms... 5 764	4 800	443	455	421	417	34	28	66
acres... 505 108	356 306	56 052	68 594	(D)	63 291	(D)	(D)	(D)	24 156
Owned land in farms .....	farms... 5 762	4 798	443	455	421	417	34	28	66
acres... 491 079	345 249	55 161	67 740	64 138	(D)	3 602	(D)	(D)	22 929
Land rented or leased from others .....	farms... 1 922	1 488	213	206	184	183	22	22	15
acres... 125 835	87 269	18 383	18 955	(D)	(D)	(D)	(D)	(D)	1 228
Rented or leased land in farms .....	farms... 1 903	1 471	211	206	184	183	22	22	15
acres... 124 106	86 238	17 845	18 795	17 359	(D)	(D)	(D)	(D)	1 228
Land rented or leased to others .....	farms... 402	328	35	31	30	29	1	-	8
acres... 15 758	12 088	1 429	1 014	(D)	(D)	(D)	(D)	-	1 227
<b>OPERATOR CHARACTERISTICS</b>									
Operators by place of residence:									
On farm operated .....	4 918	4 201	375	308	293	292	15	15	34
Not on farm operated .....	960	653	86	197	167	165	30	25	24
Not reported .....	338	270	20	39	33	32	6	5	9
Operators by principal occupation:									
Farming .....	3 174	2 455	301	380	350	347	30	27	38
Other .....	3 042	2 669	180	164	143	142	21	18	29
Operators by days of work off farm:									
None .....	2 371	1 799	231	308	280	277	28	24	33
Any .....	3 516	3 063	227	197	178	177	19	17	29
1 to 99 days .....	552	456	40	50	44	44	6	5	6
100 to 199 days .....	681	581	52	39	36	35	3	2	9
200 days or more .....	2 283	2 026	135	108	98	98	10	10	14
Not reported .....	329	262	23	39	35	35	4	4	5
Operators by years on present farm:									
2 years or less .....	249	201	20	21	13	13	8	8	7
3 or 4 years .....	449	365	44	38	34	34	4	3	2
5 to 9 years .....	1 165	979	81	91	78	78	13	13	14
10 years or more .....	3 421	2 817	285	293	280	277	13	11	26
Average years on present farm .....	18.8	18.7	20.4	18.9	19.7	19.6	10.1	9.1	16.8
Not reported .....	932	762	51	101	88	87	13	10	18
Operators by age group:									
Under 25 years .....	50	44	4	2	2	2	-	-	-
25 to 34 years .....	590	474	51	57	48	48	9	9	8
35 to 44 years .....	1 477	1 203	123	137	123	123	14	14	14
45 to 49 years .....	687	571	46	65	58	57	7	7	5
50 to 54 years .....	642	546	35	56	51	51	5	5	5
55 to 59 years .....	642	519	48	70	65	65	5	4	5
60 to 64 years .....	663	534	65	55	53	52	2	-	9
65 to 69 years .....	595	506	41	35	34	34	1	1	13
70 years and over .....	870	727	68	67	59	57	8	5	8
Average age .....	52.6	52.7	52.4	51.6	51.9	51.8	48.6	45.7	53.8
Operators by sex:									
Male .....	5 415	4 407	446	503	458	454	45	39	59
Female .....	801	717	35	41	35	35	6	6	8
Operators of Spanish origin (see text) .....	24	18	2	3	2	2	1	1	1
<b>FARMS BY TYPE OF ORGANIZATION</b>									
Individual or family (sole proprietorship) .....	farms... 5 124	5 124	-	-	-	-	-	-	-
acres... 431 487	431 487	-	-	-	-	-	-	-	-
Partnership .....	farms... 481	-	481	-	-	-	-	-	-
acres... 73 006	-	73 006	-	-	-	-	-	-	-
Corporation:									
Family held .....	farms... 493	-	-	493	493	489	-	-	-
acres... 81 497	-	-	81 497	81 497	79 707	-	-	-	-
More than 10 stockholders .....	farms... 4	-	-	4	4	-	-	-	-
10 or less stockholders .....	farms... 489	-	-	489	489	-	-	-	-
Other than family held .....	farms... 51	-	-	51	-	-	51	45	-
acres... 5 038	-	-	5 038	-	-	-	5 038	3 738	-
More than 10 stockholders .....	farms... 6	-	-	6	-	-	6	-	-
10 or less stockholders .....	farms... 45	-	-	45	-	-	45	45	-
Other—cooperative, estate or trust, institutional, etc. ....	farms... 67	-	-	-	-	-	-	-	67
acres... 24 157	-	-	-	-	-	-	-	-	24 157

See footnotes at end of table.



Table 49. Summary by Type of Organization: 1987—Con.

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stock-holders	Total	10 or less stock-holders	
<b>FARMS BY SIZE</b>									
1 to 9 acres .....	1 105	920	63	117	108	108	9	9	5
10 to 49 acres .....	2 125	1 833	126	155	136	135	19	19	11
50 to 69 acres .....	587	499	40	43	38	38	5	2	5
70 to 99 acres .....	539	457	37	38	36	36	2	2	7
100 to 139 acres .....	566	465	48	47	41	41	6	6	6
140 to 179 acres .....	324	258	34	28	26	25	2	2	4
180 to 219 acres .....	264	208	32	21	21	21	-	-	3
220 to 259 acres .....	163	125	21	14	13	13	1	1	3
260 to 499 acres .....	386	280	54	44	38	37	6	3	8
500 to 999 acres .....	126	71	23	24	23	23	1	1	8
1,000 to 1,999 acres .....	26	8	2	10	10	9	-	-	6
2,000 acres or more .....	5	-	1	3	3	3	-	-	1
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>									
Cash grains (011) .....	25	23	2	-	-	-	-	-	-
Field crops, except cash grains (013) .....	975	861	75	28	22	22	6	5	11
Cotton (0131) .....	-	-	-	-	-	-	-	-	-
Tobacco (0132) .....	14	9	1	4	2	2	2	2	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	852	74	24	20	20	4	3	11
Vegetables and melons (016) .....	678	564	73	38	34	34	4	4	3
Fruits and tree nuts (017) .....	956	732	69	143	131	129	12	11	12
Horticultural specialties (018) .....	630	418	48	160	148	148	12	12	4
General farms, primarily crop (019) .....	274	235	25	13	13	13	-	-	1
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	1 105	72	40	33	33	7	5	16
Beef cattle, except feedlots (0212) .....	585	539	31	9	7	7	2	2	6
Dairy farms (024) .....	556	424	76	49	47	45	2	2	7
Poultry and eggs (025) .....	134	100	4	29	26	26	3	2	1
Animal specialties (027) .....	676	593	33	43	38	38	5	4	7
General farms, primarily livestock and animal specialties (029) .....	79	69	4	1	1	1	-	-	5
<b>LIVESTOCK</b>									
Cattle and calves inventory .....	2 112	1 803	190	94	87	85	7	7	25
Farms with—	83 065	57 680	11 813	12 026	11 441	(D)	585	585	1 546
1 to 9 .....	951	864	53	26	25	24	1	1	8
10 to 49 .....	657	573	57	21	17	17	4	4	6
50 to 99 .....	264	213	34	12	11	11	1	1	5
100 to 199 .....	169	113	39	14	14	14	-	-	3
200 to 499 .....	66	38	7	18	17	16	1	1	3
500 or more .....	5	2	-	3	3	3	-	-	-
Cows and heifers that had calved .....	1 757	1 495	157	83	81	79	2	2	22
Beef cows .....	46 605	33 614	6 356	5 861	(D)	(D)	(D)	(D)	774
Beef cows .....	1 124	985	86	40	40	39	-	-	13
Beef cows .....	9 692	8 315	907	320	320	(D)	-	-	150
Farms with—									
1 to 9 .....	869	772	58	31	31	30	-	-	8
10 to 49 .....	229	192	24	8	8	8	-	-	5
50 to 99 .....	16	13	2	1	1	1	-	-	-
100 to 199 .....	9	7	2	-	-	-	-	-	-
200 to 499 .....	1	1	-	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-	-	-	-
Milk cows .....	838	674	89	57	55	53	2	2	18
Milk cows .....	36 913	25 299	5 449	5 541	(D)	(D)	(D)	(D)	624
Farms with—									
1 to 4 .....	256	234	10	5	5	5	-	-	7
5 to 9 .....	38	29	4	5	5	4	-	-	-
10 to 49 .....	249	207	25	12	11	11	1	1	5
50 to 99 .....	193	140	37	11	11	11	-	-	5
100 to 199 .....	86	55	11	19	19	18	-	-	1
200 to 499 .....	16	9	2	5	4	4	1	1	-
500 or more .....	-	-	-	-	-	-	-	-	-
Heifers and heifer calves .....	1 356	1 128	143	64	58	57	6	6	21
Heifers and heifer calves .....	26 965	18 005	4 039	4 411	4 085	(D)	326	326	510
Steers, steer calves, bulls, and bull calves .....	1 170	991	108	52	49	48	3	3	19
Steers, steer calves, bulls, and bull calves .....	9 495	6 061	1 418	1 754	(D)	(D)	(D)	(D)	262
Cattle and calves sold .....	1 725	1 448	171	84	78	77	6	6	22
Cattle and calves sold .....	39 668	28 049	5 361	5 678	5 550	(D)	128	128	580
Cattle and calves sold .....	11 297	7 766	1 481	1 822	1 822	(D)	61	61	169
Calves .....	1 074	878	117	61	58	57	3	3	18
Calves .....	20 745	14 689	2 901	2 810	2 774	(D)	36	36	345
Calves .....	1 837	1 347	252	212	195	(D)	16	16	26
Cattle .....	1 514	1 270	145	78	73	73	4	4	21
Cattle .....	18 923	13 360	2 460	2 868	2 776	(D)	92	92	235
Cattle .....	9 461	6 419	1 229	1 671	1 626	(D)	44	44	142
Fattened on grain and concentrates .....	352	308	30	11	11	11	-	-	3
Fattened on grain and concentrates .....	2 712	1 501	327	867	867	867	-	-	17
Fattened on grain and concentrates .....	1 588	813	171	596	596	596	-	-	8

See footnotes at end of table.

**Table 49. Summary by Type of Organization: 1987—Con.**

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stockholders	Total	10 or less stockholders	
<b>LIVESTOCK—Con.</b>									
Hogs and pigs inventory..... farms..	498	419	39	28	27	27	1	1	12
..... number..	25 816	17 363	2 759	5 226	(D)	(D)	(D)	(D)	468
Farms with—									
1 to 24.....	388	328	34	19	18	18	1	1	7
25 to 49.....	37	32	1	1	1	1	-	-	3
50 to 99.....	18	14	2	1	1	1	-	-	1
100 to 199.....	23	21	-	2	2	2	-	-	-
200 to 499.....	21	17	1	2	2	2	-	-	1
500 or more.....	11	7	1	3	3	3	-	-	-
Used or to be used for breeding..... farms..	211	175	14	12	11	11	1	1	10
..... number..	3 189	2 223	515	370	(D)	(D)	(D)	(D)	81
Other..... farms..	444	374	35	24	23	23	1	1	11
..... number..	22 627	15 140	2 244	4 856	(D)	(D)	(D)	(D)	387
Hogs and pigs sold..... farms..	387	324	28	26	23	23	3	1	9
..... number..	40 048	27 220	2 491	9 845	9 787	9 787	58	(D)	492
..... \$1,000..	4 220	2 765	332	1 058	1 051	1 051	7	(D)	66
Feeder pigs..... farms..	96	84	7	2	2	2	-	-	3
..... number..	9 091	7 301	213	(D)	(D)	(D)	-	-	(D)
..... \$1,000..	374	241	8	(D)	(D)	(D)	-	-	(D)
Litters of pigs farrowed between—									
Dec. 1 of preceding year and Nov. 30..... farms..	218	179	15	14	11	11	3	1	10
..... number..	3 837	2 837	406	510	502	502	8	(D)	84
Dec. 1 and May 31..... farms..	202	166	12	14	11	11	3	1	10
..... number..	1 882	1 386	202	254	(D)	(D)	(D)	(D)	40
June 1 and Nov. 30..... farms..	165	136	11	10	9	9	1	1	8
..... number..	1 955	1 451	204	256	(D)	(D)	(D)	(D)	44
Sheep and lambs of all ages inventory..... farms..	604	536	32	23	21	20	2	2	13
..... number..	14 761	10 441	1 776	1 538	(D)	(D)	(D)	(D)	1 006
Ewes 1 year old or older..... farms..	521	464	23	21	19	18	2	2	13
..... number..	9 597	6 819	1 216	(D)	(D)	(D)	(D)	(D)	(D)
Sheep and lambs sold..... farms..	493	437	25	18	16	15	2	2	13
..... number..	11 548	6 942	2 074	2 020	(D)	(D)	(D)	(D)	512
Sheep and lambs shorn..... farms..	511	452	25	21	19	18	2	2	13
..... number..	13 036	9 101	1 598	1 601	(D)	(D)	(D)	(D)	736
..... pounds of wool..	95 098	67 284	12 270	11 249	(D)	(D)	(D)	(D)	4 295
Horses and ponies inventory..... farms..	1 608	1 422	99	67	62	62	5	5	20
..... number..	11 944	9 940	734	996	909	909	87	87	274
Horses and ponies sold..... farms..	421	380	19	19	18	18	1	1	3
..... number..	1 230	1 066	37	115	(D)	(D)	(D)	(D)	12
Goats inventory..... farms..	279	249	13	10	8	7	2	2	7
..... number..	2 756	2 300	195	177	(D)	(D)	(D)	(D)	84
Goats sold..... farms..	98	91	2	2	2	2	-	-	3
..... number..	1 187	996	(D)	(D)	(D)	(D)	-	-	25
<b>POULTRY</b>									
Chickens 3 months old or older inventory..... farms..	738	632	42	46	40	39	6	5	18
..... number..	1 502 202	341 820	8 085	1 144 127	933 928	(D)	210 199	(D)	8 170
Farms with—									
1 to 399.....	679	598	40	28	24	23	4	4	13
400 to 3,199.....	32	21	1	5	5	5	-	-	5
3,200 to 9,999.....	7	6	1	-	-	-	-	-	-
10,000 to 19,999.....	4	3	-	1	1	1	-	-	-
20,000 to 49,999.....	7	2	-	5	5	5	-	-	-
50,000 to 99,999.....	4	2	-	2	2	2	-	-	-
100,000 or more.....	5	-	-	5	3	3	2	1	-
Hens and pullets of laying age..... farms..	733	627	42	46	40	39	6	5	18
..... number..	1 251 356	246 484	7 955	990 706	834 631	(D)	156 075	(D)	6 211
Pullets 3 months old or older not of laying age..... farms..	95	72	3	13	9	9	4	3	7
..... number..	250 846	95 336	130	153 421	99 297	99 297	54 124	(D)	1 959
Hens and pullets sold..... farms..	192	149	8	25	21	21	4	3	10
..... number..	1 195 566	296 097	11 575	883 045	728 522	728 522	154 523	(D)	4 849
Broilers and other meat-type chickens sold..... farms..	37	33	1	1	1	1	-	-	2
..... number..	(D)	41 804	(D)	(D)	(D)	(D)	-	-	(D)
Farms with—									
1 to 1,999.....	34	31	1	-	-	-	-	-	2
2,000 to 59,999.....	3	2	-	1	1	1	-	-	-
60,000 to 99,999.....	-	-	-	-	-	-	-	-	-
100,000 or more.....	-	-	-	-	-	-	-	-	-
Turkey hens kept for breeding..... farms..	25	19	-	2	2	2	-	-	4
..... number..	2 140	(D)	-	(D)	(D)	(D)	-	-	134
Turkeys sold..... farms..	86	65	9	10	9	9	1	1	2
..... number..	153 714	43 957	(D)	103 600	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

**Table 49. Summary by Type of Organization: 1987—Con.**

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

Item	Total	Individual or family	Partnership	Corporation					Other—cooperative, estate or trust, institutional, etc.
				Total	Family held		Other than family held		
					Total	10 or less stockholders	Total	10 or less stockholders	
<b>CROPS HARVESTED</b>									
Corn for silage or green chop									
farms...	604	465	76	48	43	42	5	5	15
acres...	28 643	18 273	3 978	5 768	5 636	(D)	132	132	624
tons, green	524 819	328 528	74 161	112 835	110 345	(D)	2 490	2 490	9 295
Irrigated	6	5	-	1	1	1	-	-	-
farms...	89	(D)	-	(D)	(D)	(D)	-	-	-
acres...									
Farms by acres harvested:									
1 to 24 acres	274	228	27	11	7	7	4	4	8
25 to 99 acres	250	187	40	18	18	18	-	-	5
100 to 249 acres	69	46	7	14	13	12	1	1	2
250 to 499 acres	9	3	2	4	4	4	-	-	-
500 acres or more	2	1	-	1	1	1	-	-	-
Irish potatoes									
farms...	93	69	12	10	8	8	2	2	2
acres...	2 628	1 147	(D)	1 279	(D)	(D)	(D)	(D)	(D)
cwt...	615 427	194 018	(D)	378 639	(D)	(D)	(D)	(D)	(D)
Irrigated	15	10	3	2	1	1	1	1	-
farms...	150	76	(D)	(D)	(D)	(D)	(D)	(D)	-
acres...									
Farms by acres harvested:									
0.1 to 4.9 acres	50	38	6	4	3	3	1	1	2
5.0 to 24.9 acres	23	19	3	1	1	1	-	-	-
25.0 to 99.9 acres	15	10	3	2	1	1	1	1	-
100.0 to 249.9 acres	3	2	-	1	1	1	-	-	-
250.0 acres or more	2	-	-	2	2	2	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)									
farms...	2 874	2 475	235	131	119	118	12	11	33
acres...	121 498	91 796	16 093	10 766	10 006	(D)	760	(D)	2 843
tons, dry	250 559	183 852	35 593	24 886	22 991	(D)	1 895	(D)	6 228
Irrigated	24	20	3	-	-	-	-	-	1
farms...	339	295	(D)	-	-	-	-	-	(D)
acres...									
Farms by acres harvested:									
1 to 24 acres	1 542	1 397	78	55	49	49	6	6	12
25 to 99 acres	1 013	863	105	33	31	30	2	2	12
100 to 249 acres	265	181	43	35	32	32	3	2	6
250 to 499 acres	48	32	7	7	6	6	1	1	2
500 acres or more	6	2	2	1	1	1	-	-	1
Tame hay other than alfalfa, small grain, and wild hay (see text)									
farms...	1 699	1 453	154	71	65	65	6	6	21
acres...	60 650	47 215	8 024	3 880	3 456	3 456	424	424	1 531
tons, dry	120 497	91 862	16 680	8 011	7 073	7 073	938	938	3 944
Irrigated	11	9	1	-	-	-	-	-	1
farms...	219	(D)	(D)	-	-	-	-	-	(D)
acres...									
Vegetables harvested for sale (see text)									
farms...	1 008	821	104	72	66	66	6	6	11
acres...	16 325	11 588	2 616	2 039	1 992	1 992	46	46	82
Irrigated	312	239	39	30	28	28	2	2	4
farms...	4 750	3 111	692	928	(D)	(D)	(D)	(D)	19
acres...									
Farms by acres harvested:									
0.1 to 4.9 acres	438	385	26	23	19	19	4	4	4
5.0 to 24.9 acres	386	308	47	25	23	23	2	2	6
25.0 to 99.9 acres	156	110	25	20	20	20	-	-	1
100.0 to 249.9 acres	26	17	5	4	4	4	-	-	-
250.0 acres or more	2	1	1	-	-	-	-	-	-
Sweet corn harvested for sale									
farms...	596	473	67	48	44	44	4	4	8
acres...	8 444	5 995	1 336	1 065	1 064	1 064	1	1	48
Irrigated	163	120	21	19	17	17	2	2	3
farms...	2 042	1 366	243	427	(D)	(D)	(D)	(D)	7
acres...									
Land in orchards									
farms...	572	459	52	49	45	45	4	4	12
acres...	9 379	5 405	752	3 109	2 821	2 821	288	288	114
Irrigated	57	46	7	3	3	3	-	-	1
farms...	267	175	65	(D)	(D)	(D)	-	-	(D)
acres...									
Farms by bearing and nonbearing acres:									
0.1 to 4.9 acres	269	238	21	3	3	3	-	-	7
5.0 to 24.9 acres	201	164	19	14	14	14	-	-	4
25.0 to 99.9 acres	82	49	12	20	18	18	2	2	1
100.0 to 249.9 acres	18	7	-	11	9	9	2	2	-
250.0 acres or more	2	1	-	1	1	1	-	-	-
Berries harvested for sale									
farms...	890	676	65	138	128	126	10	9	11
acres...	13 385	4 677	1 729	6 200	5 657	(D)	543	(D)	779
Irrigated	646	462	56	120	112	110	8	7	8
farms...	12 499	3 994	1 685	6 146	5 607	(D)	539	(D)	674
acres...									

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987**

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARMS AND LAND IN FARMS</b>								
Farms ----- number .....	6 216	3 174	30	310	663	504	649	1 018
----- percent .....	100.0	51.1	.5	5.0	10.7	8.1	10.4	16.4
Land in farms ----- acres .....	615 185	416 937	3 845	30 474	95 881	74 612	95 115	117 010
Average size of farm ----- acres .....	99	131	128	98	145	148	147	115
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) ----- farms .....	6 216	3 174	30	310	663	504	649	1 018
----- \$1,000 .....	340 464	301 756	900	23 678	75 474	66 522	68 490	66 692
Average per farm ----- dollars .....	54 772	95 071	29 998	76 381	113 837	131 988	105 532	65 512
<b>Farms by value of sales:</b>								
Less than \$1,000 (see text) -----	1 133	311	2	28	79	45	47	110
\$1,000 to \$2,499 -----	1 034	295	1	23	55	37	37	142
\$2,500 to \$4,999 -----	830	310	1	18	42	25	52	172
\$5,000 to \$9,999 -----	720	340	5	24	55	42	54	160
\$10,000 to \$19,999 -----	591	347	11	24	70	40	80	122
\$20,000 to \$24,999 -----	179	99	3	10	23	5	28	30
\$25,000 to \$39,999 -----	356	258	1	29	62	44	60	62
\$40,000 to \$49,999 -----	138	110	1	15	25	26	22	21
\$50,000 to \$99,999 -----	515	436	3	74	92	83	103	81
\$100,000 to \$249,999 -----	475	440	1	49	101	105	111	73
\$250,000 to \$499,999 -----	148	141	1	10	34	32	37	27
\$500,000 to \$999,999 -----	53	48	-	3	15	10	10	10
\$1,000,000 or more -----	44	39	-	3	10	10	8	8
Grains ----- farms .....	78	49	-	2	16	5	14	12
----- \$1,000 .....	785	651	-	(D)	(D)	100	71	94
Sales of \$50,000 or more ----- farms .....	5	4	-	-	3	1	-	-
----- \$1,000 .....	332	(D)	-	-	226	(D)	-	-
Corn for grain ----- farms .....	67	42	-	1	15	4	11	11
----- \$1,000 .....	729	598	-	(D)	(D)	88	64	(D)
Wheat ----- farms .....	3	3	-	-	1	2	-	-
----- \$1,000 .....	(D)	(D)	-	-	(D)	(D)	-	-
Soybeans ----- farms .....	-	-	-	-	-	-	-	-
----- \$1,000 .....	-	-	-	-	-	-	-	-
Sorghum for grain ----- farms .....	-	-	-	-	-	-	-	-
----- \$1,000 .....	-	-	-	-	-	-	-	-
Barley ----- farms .....	-	-	-	-	-	-	-	-
----- \$1,000 .....	-	-	-	-	-	-	-	-
Oats ----- farms .....	5	2	-	-	1	1	-	-
----- \$1,000 .....	(D)	(D)	-	-	(D)	(D)	-	-
Other grains ----- farms .....	7	6	-	1	1	-	3	1
----- \$1,000 .....	39	(D)	-	(D)	(D)	-	7	(D)
Cotton and cottonseed ----- farms .....	-	-	-	-	-	-	-	-
----- \$1,000 .....	-	-	-	-	-	-	-	-
Sales of \$50,000 or more ----- farms .....	-	-	-	-	-	-	-	-
----- \$1,000 .....	-	-	-	-	-	-	-	-
Tobacco ----- farms .....	21	16	-	2	3	1	5	5
----- \$1,000 .....	4 587	2 136	-	(D)	526	(D)	588	821
Sales of \$50,000 or more ----- farms .....	11	8	-	1	2	-	2	3
----- \$1,000 .....	4 355	(D)	-	(D)	(D)	-	(D)	(D)
Hay, silage, and field seeds ----- farms .....	1 569	763	9	56	131	96	135	336
----- \$1,000 .....	7 803	5 328	125	647	1 038	845	954	1 719
Sales of \$50,000 or more ----- farms .....	18	16	-	2	3	4	4	3
----- \$1,000 .....	1 250	(D)	-	(D)	160	282	235	221
Vegetables, sweet corn, and melons ----- farms .....	1 007	655	10	81	132	79	156	197
----- \$1,000 .....	25 179	21 953	148	3 061	4 874	3 455	6 183	4 233
Sales of \$50,000 or more ----- farms .....	138	129	-	24	28	18	36	23
----- \$1,000 .....	15 627	14 900	-	2 090	3 600	2 548	4 143	2 519
Fruits, nuts, and berries ----- farms .....	1 186	712	2	83	135	126	150	216
----- \$1,000 .....	92 349	84 787	(D)	(D)	33 863	15 795	16 203	15 078
Sales of \$50,000 or more ----- farms .....	305	270	-	23	75	59	64	49
----- \$1,000 .....	83 747	79 963	-	3 331	33 090	14 492	15 353	13 696
Nursery and greenhouse crops ----- farms .....	824	512	3	69	116	96	109	119
----- \$1,000 .....	80 867	71 517	52	6 890	12 074	24 939	13 947	13 615
Sales of \$50,000 or more ----- farms .....	212	170	-	25	35	45	41	24
----- \$1,000 .....	73 509	66 601	-	6 198	10 716	24 102	12 976	12 608
Other crops ----- farms .....	114	90	1	9	23	12	25	20
----- \$1,000 .....	4 285	4 138	(D)	(D)	353	2 028	804	838
Sales of \$50,000 or more ----- farms .....	12	12	-	1	2	2	5	2
----- \$1,000 .....	3 520	3 520	-	(D)	(D)	(D)	749	(D)
Poultry and poultry products ----- farms .....	498	229	1	27	59	28	56	58
----- \$1,000 .....	23 149	20 915	(D)	(D)	5 804	714	11 021	1 733
Sales of \$50,000 or more ----- farms .....	44	38	-	4	13	2	12	7
----- \$1,000 .....	22 016	20 252	-	1 574	(D)	(D)	10 815	1 521
Dairy products ----- farms .....	609	541	4	60	111	120	132	114
----- \$1,000 .....	63 309	60 486	492	5 926	12 703	15 235	13 957	12 175
Sales of \$50,000 or more ----- farms .....	409	393	4	47	78	97	91	76
----- \$1,000 .....	58 969	56 827	492	5 575	12 002	14 569	12 902	11 288
Cattle and calves ----- farms .....	1 725	1 030	9	85	191	170	239	336
----- \$1,000 .....	11 297	9 268	45	933	1 899	1 743	2 564	2 084
Sales of \$50,000 or more ----- farms .....	25	24	-	4	4	4	9	3
----- \$1,000 .....	2 563	(D)	-	(D)	485	382	986	317

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARMS AND LAND IN FARMS</b>							
Farms .....	3 042	20	280	814	825	656	447
number.....	48.9	.3	4.5	13.1	13.3	10.6	7.2
Land in farms .....	198 248	750	20 192	42 597	53 653	43 544	37 512
acres.....	65	38	72	52	65	66	84
Average size of farm .....							
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales (see text) .....	3 042	20	280	814	825	656	447
farms.....	38 708	145	4 360	8 503	15 192	7 246	3 262
\$1,000.....	12 725	7 259	15 571	10 446	18 414	11 046	7 298
dollars.....							
Farms by value of sales:							
Less than \$1,000 (see text) .....	822	1	75	240	208	166	132
\$1,000 to \$2,499 .....	739	6	67	210	200	165	91
\$2,500 to \$4,999 .....	520	5	45	119	141	131	79
\$5,000 to \$9,999 .....	380	3	39	95	120	69	54
\$10,000 to \$19,999 .....	244	2	21	57	63	54	47
\$20,000 to \$24,999 .....	80	3	11	20	14	19	13
\$25,000 to \$39,999 .....	98	11	11	30	23	20	14
\$40,000 to \$49,999 .....	28	-	-	6	13	3	6
\$50,000 to \$99,999 .....	79	-	5	25	22	18	9
\$100,000 to \$249,999 .....	35	-	3	11	11	8	2
\$250,000 to \$499,999 .....	7	-	-	-	5	2	-
\$500,000 to \$999,999 .....	5	-	3	-	2	-	-
\$1,000,000 or more .....	5	-	-	1	3	1	-
Grains .....	29	-	3	6	7	11	3
farms.....	133	-	52	4	38	29	11
\$1,000.....	1	-	1	-	-	-	-
Sales of \$50,000 or more .....	(D)	-	(D)	-	-	-	-
\$1,000.....							
Corn for grain .....	25	-	1	4	7	10	3
farms.....	131	-	(D)	(D)	38	(D)	11
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Wheat .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Soybeans .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sorghum for grain .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Barley .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Oats .....	3	-	2	1	-	-	-
farms.....	(D)	-	(D)	(D)	-	-	-
\$1,000.....	1	-	-	-	-	1	-
Sales of \$50,000 or more .....	(D)	-	-	-	-	(D)	-
\$1,000.....							
Other grains .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Cotton and cottonseed .....	-	-	-	-	-	-	-
farms.....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Tobacco .....	5	-	-	2	3	-	-
farms.....	2 451	-	-	(D)	(D)	-	-
\$1,000.....	3	-	-	-	3	-	-
Sales of \$50,000 or more .....	(D)	-	-	-	(D)	-	-
\$1,000.....							
Hay, silage, and field seeds .....	806	3	62	192	229	181	139
farms.....	2 475	29	315	435	679	539	477
\$1,000.....	2	-	1	-	-	-	1
Sales of \$50,000 or more .....	(D)	-	(D)	-	-	-	(D)
\$1,000.....							
Vegetables, sweet corn, and melons .....	352	9	40	83	80	82	58
farms.....	3 226	89	454	809	639	816	420
\$1,000.....	9	-	3	2	1	3	-
Sales of \$50,000 or more .....	727	-	210	(D)	(D)	281	-
\$1,000.....							
Fruits, nuts, and berries .....	474	4	37	138	133	97	65
farms.....	7 562	11	259	2 096	3 092	1 296	809
\$1,000.....	35	-	-	13	14	5	3
Sales of \$50,000 or more .....	3 785	-	-	1 066	1 900	577	242
\$1,000.....							
Nursery and greenhouse crops .....	312	1	34	93	82	61	41
farms.....	9 350	(D)	(D)	3 346	2 359	1 893	594
\$1,000.....	42	-	5	12	12	10	3
Sales of \$50,000 or more .....	6 909	-	906	2 660	1 662	1 424	256
\$1,000.....							
Other crops .....	24	-	4	5	3	9	3
farms.....	147	-	41	45	7	44	11
\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more .....	-	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-
Poultry and poultry products .....	269	2	28	97	86	31	25
farms.....	2 235	(D)	(D)	189	398	1 186	117
\$1,000.....	6	-	1	2	1	2	-
Sales of \$50,000 or more .....	1 764	-	(D)	(D)	(D)	(D)	-
\$1,000.....							
Dairy products .....	68	-	7	17	16	15	13
farms.....	2 823	-	309	426	1 439	440	210
\$1,000.....	16	-	1	4	6	3	2
Sales of \$50,000 or more .....	2 141	-	(D)	296	1 267	254	(D)
\$1,000.....							
Cattle and calves .....	695	1	66	196	175	156	101
farms.....	2 030	(D)	(D)	484	549	544	313
\$1,000.....	1	-	-	-	-	1	-
Sales of \$50,000 or more .....	(D)	-	-	-	-	(D)	-
\$1,000.....							

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>								
Total sales (see text)—Con.								
Hogs and pigs ----- farms..	387	184	2	13	46	26	44	53
\$1,000..	4 220	3 082	(D)	(D)	955	535	895	510
Sales of \$50,000 or more ----- farms..	15	14	-	2	3	5	2	2
\$1,000..	2 705	(D)	-	(D)	747	425	(D)	(D)
Sheep, lambs, and wool ----- farms..	563	197	1	19	52	34	40	51
\$1,000..	884	444	(D)	(D)	(D)	(D)	219	71
Sales of \$50,000 or more ----- farms..	1	1	-	-	-	-	1	-
\$1,000..	(D)	(D)	-	-	-	-	(D)	-
Other livestock and livestock products (see text) ----- farms..	722	325	2	45	116	51	50	61
\$1,000..	21 749	17 051	(D)	(D)	955	1 043	1 084	13 721
Sales of \$50,000 or more ----- farms..	25	20	-	1	3	8	5	3
\$1,000..	19 082	15 497	-	(D)	(D)	726	875	13 499
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
Total farm production expenses ----- farms..	6 216	3 214	40	241	701	511	621	1 100
\$1,000..	251 496	218 295	988	14 441	51 500	46 284	48 834	56 249
Average per farm ----- dollars..	40 460	67 920	24 690	59 921	73 467	90 575	78 637	51 136
Livestock and poultry purchased ----- farms..	1 559	826	19	82	161	155	165	244
\$1,000..	11 441	9 339	58	526	2 041	1 327	2 125	3 263
Farms with expenses of—								
\$1 to \$4,999 -----	1 238	556	18	66	92	88	119	173
\$5,000 to \$24,999 -----	242	197	1	13	49	57	30	47
\$25,000 to \$99,999 -----	64	61	-	2	16	9	12	22
\$100,000 or more -----	15	12	-	1	4	1	4	2
Feed for livestock and poultry ----- farms..	2 893	1 367	20	97	298	220	305	427
\$1,000..	33 525	29 585	162	1 908	6 070	4 862	9 604	6 980
Farms with expenses of—								
\$1 to \$4,999 -----	2 130	695	10	41	163	79	144	258
\$5,000 to \$24,999 -----	448	381	9	30	77	79	93	93
\$25,000 to \$99,999 -----	271	254	1	24	49	55	57	68
\$100,000 or more -----	44	37	-	2	9	7	11	8
Commercially mixed formula feeds ----- farms..	1 552	860	2	71	170	155	222	240
\$1,000..	26 256	24 351	(D)	(D)	5 027	3 583	8 581	5 386
Farms with expenses of—								
\$1 to \$4,999 -----	992	325	-	18	64	42	74	127
\$5,000 to \$24,999 -----	322	311	1	33	57	63	90	67
\$25,000 to \$79,999 -----	192	182	1	17	38	43	47	36
\$80,000 or more -----	46	42	-	3	11	7	11	10
Seeds, bulbs, plants, and trees ----- farms..	2 429	1 597	10	119	357	259	370	482
\$1,000..	6 227	5 681	10	260	1 064	1 602	1 220	1 525
Farms with expenses of—								
\$1 to \$999 -----	1 651	907	9	60	205	140	187	306
\$1,000 to \$4,999 -----	618	540	-	44	120	76	145	154
\$5,000 to \$24,999 -----	121	113	1	13	26	32	30	12
\$25,000 or more -----	39	37	-	2	6	11	8	10
Commercial fertilizer ----- farms..	3 858	2 241	23	186	468	338	478	748
\$1,000..	8 953	7 807	34	500	2 216	1 864	1 699	1 493
Farms with expenses of—								
\$1 to \$4,999 -----	3 420	1 819	21	161	336	238	375	688
\$5,000 to \$24,999 -----	398	385	2	22	125	88	95	53
\$25,000 to \$49,999 -----	28	27	-	3	4	8	6	6
\$50,000 or more -----	12	10	-	-	3	4	2	1
Agricultural chemicals ----- farms..	3 027	1 941	22	149	400	316	431	623
\$1,000..	7 319	6 633	4	600	1 777	1 404	1 279	1 569
Farms with expenses of—								
\$1 to \$4,999 -----	2 719	1 664	22	122	331	252	370	567
\$5,000 to \$24,999 -----	264	235	-	22	56	54	55	48
\$25,000 to \$49,999 -----	29	28	-	5	10	6	5	2
\$50,000 or more -----	15	14	-	-	3	4	1	6
Petroleum products ----- farms..	5 859	3 131	40	240	682	500	618	1 051
\$1,000..	12 042	9 982	108	857	2 313	2 078	1 998	2 629
Farms with expenses of—								
\$1 to \$4,999 -----	5 438	2 753	31	211	595	403	522	991
\$5,000 to \$24,999 -----	369	333	9	26	74	85	90	49
\$25,000 to \$49,999 -----	32	28	-	1	10	7	5	5
\$50,000 or more -----	20	17	-	2	3	5	1	6
Gasoline and gasohol ----- farms..	5 243	2 847	40	210	647	433	553	964
\$1,000..	5 325	4 264	53	287	1 029	805	882	1 208
Diesel fuel ----- farms..	2 743	1 633	40	160	348	330	316	439
\$1,000..	2 585	2 180	35	168	581	503	448	445
Natural gas ----- farms..	175	110	1	10	32	26	12	29
\$1,000..	841	717	(D)	(D)	84	308	73	203
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	3 773	2 456	40	203	568	401	523	721
\$1,000..	3 291	2 822	(D)	(D)	619	462	594	773

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>							
Total sales (see text)—Con.							
Hogs and pigs ----- farms..	203	1	29	75	48	32	18
\$1,000..	1 138	(D)	(D)	135	(D)	131	52
Sales of \$50,000 or more ----- farms..	1	-	1	-	-	-	-
\$1,000..	(D)	-	(D)	-	-	-	-
Sheep, lambs, and wool ----- farms..	366	1	38	102	123	65	37
\$1,000..	440	(D)	(D)	(D)	122	65	102
Sales of \$50,000 or more ----- farms..	-	-	-	-	-	-	-
\$1,000..	-	-	-	-	-	-	-
Other livestock and livestock products (see text) ----- farms..	397	2	37	126	122	79	31
\$1,000..	4 699	(D)	(D)	442	3 339	264	149
Sales of \$50,000 or more ----- farms..	5	-	1	1	2	1	-
\$1,000..	3 585	-	(D)	(D)	(D)	(D)	-
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
Total farm production expenses ----- farms..	3 002	11	278	803	751	673	486
\$1,000..	33 201	193	3 732	7 757	11 364	7 039	3 116
Average per farm ----- dollars..	11 060	17 529	13 425	9 660	15 132	10 459	6 412
Livestock and poultry purchased ----- farms..	733	-	86	207	220	150	70
\$1,000..	2 102	-	377	303	1 048	345	29
Farms with expenses of--							
\$1 to \$4,999 -----	682	-	79	183	205	146	69
\$5,000 to \$24,999 -----	45	-	6	24	12	2	1
\$25,000 to \$99,999 -----	3	-	-	-	2	1	-
\$100,000 or more -----	3	-	1	-	1	1	-
Feed for livestock and poultry ----- farms..	1 526	-	142	438	464	313	169
\$1,000..	3 940	-	577	776	1 312	1 034	241
Farms with expenses of--							
\$1 to \$4,999 -----	1 435	-	134	403	440	298	160
\$5,000 to \$24,999 -----	67	-	5	33	16	4	9
\$25,000 to \$99,999 -----	17	-	2	2	4	10	-
\$100,000 or more -----	7	-	2	-	4	1	-
Commercially mixed formula feeds ----- farms..	692	-	79	219	198	136	60
\$1,000..	1 905	-	391	270	592	566	87
Farms with expenses of--							
\$1 to \$4,999 -----	667	-	76	214	188	130	59
\$5,000 to \$24,999 -----	11	-	-	3	3	4	1
\$25,000 to \$79,999 -----	10	-	2	2	1	1	-
\$80,000 or more -----	4	-	1	-	2	1	-
Seeds, bulbs, plants, and trees ----- farms..	832	-	79	218	168	267	100
\$1,000..	546	-	103	214	96	107	27
Farms with expenses of--							
\$1 to \$999 -----	744	-	70	189	152	241	92
\$1,000 to \$4,999 -----	78	-	6	26	12	26	8
\$5,000 to \$24,999 -----	8	-	2	2	4	-	-
\$25,000 or more -----	2	-	1	1	-	-	-
Commercial fertilizer ----- farms..	1 617	11	160	387	438	337	284
\$1,000..	1 146	9	80	162	409	341	145
Farms with expenses of--							
\$1 to \$4,999 -----	1 601	11	159	386	429	333	283
\$5,000 to \$24,999 -----	13	-	1	1	6	4	1
\$25,000 to \$49,999 -----	1	-	-	-	1	-	-
\$50,000 or more -----	2	-	-	-	2	-	-
Agricultural chemicals ----- farms..	1 086	-	125	294	265	254	148
\$1,000..	685	-	78	142	300	118	48
Farms with expenses of--							
\$1 to \$4,999 -----	1 055	-	117	292	244	254	148
\$5,000 to \$24,999 -----	29	-	8	2	19	-	-
\$25,000 to \$49,999 -----	1	-	-	-	1	-	-
\$50,000 or more -----	1	-	-	-	1	-	-
Petroleum products ----- farms..	2 728	11	260	743	673	629	412
\$1,000..	2 060	7	211	507	592	518	225
Farms with expenses of--							
\$1 to \$4,999 -----	2 685	11	255	737	661	610	411
\$5,000 to \$24,999 -----	38	-	4	4	9	18	1
\$25,000 to \$49,999 -----	4	-	1	1	1	1	-
\$50,000 or more -----	3	-	-	-	2	-	-
Gasoline and gasohol ----- farms..	2 396	11	228	649	598	561	349
\$1,000..	1 061	3	73	260	310	283	133
Diesel fuel ----- farms..	1 110	11	96	313	253	223	214
\$1,000..	406	3	63	112	89	(D)	(D)
Natural gas ----- farms..	65	-	11	23	17	13	1
\$1,000..	124	-	34	36	40	(D)	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	1 317	11	133	384	332	286	171
\$1,000..	469	1	41	99	153	149	26

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
— Con.								
Total farm production expenses—Con.								
Electricity ----- farms..	4 286	2 500	28	173	529	427	496	847
----- \$1,000..	5 959	5 301	30	327	1 310	1 158	1 116	1 359
Farms with expenses of—								
\$1 to \$999 .....	3 151	1 483	18	73	302	193	273	624
\$1,000 to \$4,999 .....	895	795	9	86	166	185	173	176
\$5,000 to \$24,999 .....	225	207	1	14	56	47	45	44
\$25,000 or more .....	15	15	-	-	5	2	5	3
Hired farm labor ----- farms..	2 185	1 584	10	131	384	255	372	432
----- \$1,000..	66 579	61 301	26	3 416	14 198	13 540	11 914	18 208
Farms with expenses of—								
\$1 to \$4,999 .....	1 095	614	9	21	155	68	136	225
\$5,000 to \$24,999 .....	617	542	-	85	138	85	128	106
\$25,000 to \$99,999 .....	362	324	1	20	61	75	86	81
\$100,000 or more .....	111	104	-	5	30	27	22	20
Contract labor ----- farms..	1 025	656	8	76	146	134	78	214
----- \$1,000..	7 906	6 891	(2)	737	1 581	1 765	1 011	1 797
Farms with expenses of—								
\$1 to \$999 .....	408	201	8	26	23	39	16	89
\$1,000 to \$4,999 .....	332	212	-	14	60	49	20	69
\$5,000 to \$24,999 .....	231	195	-	32	51	33	31	48
\$25,000 or more .....	54	48	-	4	12	13	11	8
Repair and maintenance ----- farms..	5 222	2 802	40	213	622	461	529	937
----- \$1,000..	16 873	13 461	142	1 008	3 255	2 981	2 876	3 199
Farms with expenses of—								
\$1 to \$4,999 .....	4 353	2 049	21	159	467	296	373	733
\$5,000 to \$24,999 .....	785	685	19	49	141	144	139	193
\$25,000 to \$49,999 .....	55	41	-	4	6	13	11	7
\$50,000 or more .....	29	27	-	1	8	8	6	4
Customwork, machine hire, and rental of machinery and equipment ----- farms..	1 276	732	3	54	180	139	154	202
----- \$1,000..	3 570	3 150	3	248	690	1 230	557	423
Farms with expenses of—								
\$1 to \$999 .....	781	381	1	14	95	64	72	135
\$1,000 to \$4,999 .....	362	222	2	15	58	46	57	44
\$5,000 to \$24,999 .....	115	112	-	23	22	25	22	20
\$25,000 or more .....	18	17	-	2	5	4	3	3
Interest expense ----- farms..	1 981	1 262	39	105	329	306	246	237
----- \$1,000..	13 788	11 553	167	1 053	3 263	3 074	2 228	1 768
Farms with expenses of—								
\$1 to \$4,999 .....	1 395	780	17	57	190	173	164	179
\$5,000 to \$24,999 .....	485	390	22	38	120	104	61	45
\$25,000 to \$99,999 .....	88	82	-	9	16	26	19	12
\$100,000 or more .....	13	10	-	1	3	3	2	1
Secured by real estate ----- farms..	1 410	950	20	79	263	239	191	158
----- \$1,000..	10 563	8 872	96	838	2 539	2 350	1 680	1 370
Farms with expenses of—								
\$1 to \$999 .....	281	155	-	9	30	30	49	37
\$1,000 to \$4,999 .....	659	414	8	33	122	98	82	71
\$5,000 to \$24,999 .....	391	308	12	31	97	85	44	39
\$25,000 or more .....	79	73	-	6	14	26	16	11
Not secured by real estate ----- farms..	950	611	27	46	149	152	121	116
----- \$1,000..	3 225	2 681	71	215	724	724	548	398
Farms with expenses of—								
\$1 to \$999 .....	440	219	17	10	42	43	60	47
\$1,000 to \$4,999 .....	375	266	-	24	74	81	35	52
\$5,000 to \$24,999 .....	112	108	10	10	28	24	23	13
\$25,000 or more .....	23	18	-	2	5	4	3	4
Cash rent ----- farms..	1 092	817	2	87	235	120	208	165
----- \$1,000..	3 848	3 451	(D)	(D)	1 091	691	605	476
Farms with expenses of—								
\$1 to \$4,999 .....	918	649	1	58	172	97	172	149
\$5,000 to \$9,999 .....	86	84	1	7	44	7	18	7
\$10,000 to \$24,999 .....	65	63	-	19	13	9	16	6
\$25,000 or more .....	23	21	-	3	6	7	2	3
Property taxes ----- farms..	5 817	2 990	38	177	632	491	609	1 043
----- \$1,000..	15 219	10 147	57	512	2 377	2 033	2 090	3 079
Farms with expenses of—								
\$1 to \$4,999 .....	5 240	2 550	37	153	560	354	522	924
\$5,000 to \$9,999 .....	397	295	1	17	41	100	51	85
\$10,000 to \$24,999 .....	150	119	-	6	26	28	30	29
\$25,000 or more .....	30	28	-	1	5	9	6	5
All other farm production expenses ----- farms..	5 700	3 094	40	240	676	494	600	1 044
----- \$1,000..	38 248	34 012	177	1 912	8 256	6 674	8 512	8 482
Farms with expenses of—								
\$1 to \$4,999 .....	4 694	2 197	22	153	461	301	417	843
\$5,000 to \$24,999 .....	744	656	18	73	154	133	126	152
\$25,000 to \$49,999 .....	143	128	-	7	33	32	28	28
\$50,000 or more .....	119	113	-	7	28	28	29	21

See footnotes at end of table.



Table 50. **Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
—Con.							
Total farm production expenses—Con.							
Electricity ----- farms...	1 786	11	152	465	528	415	215
\$1,000...	658	1	68	165	238	140	47
Farms with expenses of—							
\$1 to \$999 .....	1 668	11	138	438	486	384	211
\$1,000 to \$4,999 .....	100	—	11	22	33	30	4
\$5,000 to \$24,999 .....	18	—	3	5	9	1	—
\$25,000 or more .....	—	—	—	—	—	—	—
Hired farm labor ----- farms...	601	—	48	129	198	164	62
\$1,000...	5 278	—	687	1 238	2 349	895	108
Farms with expenses of—							
\$1 to \$4,999 .....	481	—	34	107	152	128	60
\$5,000 to \$24,999 .....	75	—	2	15	25	31	2
\$25,000 to \$99,999 .....	38	—	11	6	17	4	—
\$100,000 or more .....	7	—	1	1	4	1	—
Contract labor ----- farms...	369	—	33	108	108	72	48
\$1,000...	1 015	—	211	253	277	96	177
Farms with expenses of—							
\$1 to \$999 .....	207	—	19	58	59	49	22
\$1,000 to \$4,999 .....	120	—	5	37	43	14	21
\$5,000 to \$24,999 .....	36	—	8	12	4	9	3
\$25,000 or more .....	6	—	1	1	2	—	2
Repair and maintenance ----- farms...	2 420	11	207	672	616	538	376
\$1,000...	3 412	44	200	846	982	769	571
Farms with expenses of—							
\$1 to \$4,999 .....	2 304	11	197	632	584	513	367
\$5,000 to \$24,999 .....	100	—	10	37	27	23	3
\$25,000 to \$49,999 .....	14	—	—	2	4	2	6
\$50,000 or more .....	2	—	—	1	1	—	—
Customwork, machine hire, and rental of machinery and equipment ----- farms...	544	—	101	188	87	91	77
\$1,000...	420	—	66	128	108	74	44
Farms with expenses of—							
\$1 to \$999 .....	400	—	74	131	69	66	60
\$1,000 to \$4,999 .....	140	—	27	56	15	25	17
\$5,000 to \$24,999 .....	3	—	—	1	2	—	—
\$25,000 or more .....	1	—	—	—	1	—	—
Interest expense ----- farms...	719	11	112	162	206	164	64
\$1,000...	2 235	92	193	595	818	423	114
Farms with expenses of—							
\$1 to \$4,999 .....	615	—	108	135	166	145	61
\$5,000 to \$24,999 .....	95	11	3	26	34	18	3
\$25,000 to \$99,999 .....	6	—	—	—	5	—	—
\$100,000 or more .....	3	—	—	1	1	1	—
Secured by real estate ----- farms...	460	11	87	119	141	66	36
\$1,000...	1 690	92	153	454	604	285	103
Farms with expenses of—							
\$1 to \$999 .....	126	—	38	11	40	17	20
\$1,000 to \$4,999 .....	245	—	46	82	73	31	13
\$5,000 to \$24,999 .....	83	11	3	25	24	17	3
\$25,000 or more .....	6	—	—	1	4	1	—
Not secured by real estate ----- farms...	339	—	37	58	96	115	33
\$1,000...	545	—	41	141	214	138	12
Farms with expenses of—							
\$1 to \$999 .....	221	—	34	26	40	88	33
\$1,000 to \$4,999 .....	109	—	2	29	53	25	—
\$5,000 to \$24,999 .....	4	—	—	2	1	1	—
\$25,000 or more .....	5	—	1	1	2	1	—
Cash rent ----- farms...	275	—	38	71	69	61	36
\$1,000...	397	—	39	63	208	27	60
Farms with expenses of—							
\$1 to \$4,999 .....	269	—	37	70	65	61	36
\$5,000 to \$9,999 .....	2	—	1	—	1	—	—
\$10,000 to \$24,999 .....	2	—	—	1	1	—	—
\$25,000 or more .....	2	—	—	—	2	—	—
Property taxes ----- farms...	2 827	11	230	752	718	655	461
\$1,000...	5 072	28	315	1 318	1 339	1 155	917
Farms with expenses of—							
\$1 to \$4,999 .....	2 690	11	225	717	663	634	440
\$5,000 to \$9,999 .....	102	—	5	23	43	11	20
\$10,000 to \$24,999 .....	31	—	—	11	9	10	1
\$25,000 or more .....	4	—	—	1	3	—	—
All other farm production expenses ----- farms...	2 606	11	233	754	666	551	391
\$1,000...	4 236	11	528	1 046	1 288	999	363
Farms with expenses of—							
\$1 to \$4,999 .....	2 497	11	221	717	628	531	389
\$5,000 to \$24,999 .....	88	—	1	34	33	18	2
\$25,000 to \$49,999 .....	15	—	10	3	1	1	—
\$50,000 or more .....	6	—	1	—	4	1	—

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>								
All farms.....	number... 6 216	3 214	40	241	701	511	621	1 100
	\$1,000... 84 172	82 431	-64	6 121	24 361	18 750	18 777	14 486
Average per farm.....	dollars... 13 541	25 648	-1 603	25 400	34 752	36 692	30 236	13 170
Farms with net gains <sup>2</sup> .....	number... 3 017	2 066	23	174	425	293	462	689
Average net gain.....	dollars... 35 387	45 901	9 587	38 493	63 902	71 315	45 383	27 418
Gain of—								
Less than \$1,000.....	374	111	-	1	15	7	8	80
\$1,000 to \$9,999.....	1 131	699	13	59	137	50	141	299
\$10,000 to \$49,999.....	1 077	855	9	82	179	138	208	239
\$50,000 or more.....	435	401	1	32	94	98	105	71
Farms with net losses.....	number... 3 199	1 148	17	67	276	218	159	411
Average net loss.....	dollars... 7 062	10 801	16 742	8 603	10 136	9 842	13 776	10 717
Loss of—								
Less than \$1,000.....	463	138	-	22	42	31	15	28
\$1,000 to \$9,999.....	2 195	678	9	31	137	136	82	283
\$10,000 to \$49,999.....	490	293	8	11	87	49	58	80
\$50,000 or more.....	51	39	-	3	10	2	4	20
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>								
Government payments.....	farms... 400	292	5	27	52	54	78	76
	\$1,000... 2 213	2 106	13	191	200	238	448	1 015
Other farm-related income <sup>1</sup> .....	farms... 1 361	720	2	47	131	127	171	242
	\$1,000... 5 802	4 314	(D)	(D)	988	525	846	1 140
Customwork and other agricultural services.....	farms... 449	219	1	27	36	23	60	72
	\$1,000... 2 163	1 694	(D)	(D)	331	150	276	626
Gross cash rent or share payments.....	farms... 300	147	-	2	10	48	23	64
	\$1,000... 477	263	-	(D)	(D)	56	21	173
Forest products and Christmas trees.....	farms... 570	267	2	16	39	56	79	75
	\$1,000... 1 780	1 305	(D)	(D)	(D)	268	442	153
Other farm-related income sources.....	farms... 368	260	-	24	63	24	62	87
	\$1,000... 1 382	1 052	-	314	391	51	108	188
<b>COMMODITY CREDIT CORPORATION LOANS</b>								
Total.....	farms... 8	8	-	3	1	3	-	1
	\$1,000... 159	159	-	(D)	(D)	56	-	(D)
Corn.....	farms... 5	5	-	-	1	3	-	1
	\$1,000... (D)	(D)	-	-	(D)	56	-	(D)
Wheat.....	farms... -	-	-	-	-	-	-	-
	\$1,000... -	-	-	-	-	-	-	-
Soybeans.....	farms... -	-	-	-	-	-	-	-
	\$1,000... -	-	-	-	-	-	-	-
Sorghum, barley, and oats.....	farms... -	-	-	-	-	-	-	-
	\$1,000... -	-	-	-	-	-	-	-
Cotton.....	farms... -	-	-	-	-	-	-	-
	\$1,000... -	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey.....	farms... 3	3	-	3	-	-	-	-
	\$1,000... (D)	(D)	-	(D)	-	-	-	-
<b>LAND IN FARMS ACCORDING TO USE</b>								
Total cropland.....	farms... 5 654	2 949	28	282	585	471	610	979
	acres... 272 588	200 448	2 734	15 849	42 382	38 525	49 326	51 632
Harvested cropland.....	farms... 5 084	2 730	22	249	528	436	581	914
	acres... 194 874	151 764	1 758	12 408	33 701	29 126	38 732	36 039
Farms by acres harvested:								
1 to 49 acres.....	4 028	1 850	13	170	343	266	352	706
50 to 99 acres.....	544	427	3	46	78	72	110	118
100 to 199 acres.....	336	288	4	16	65	65	77	61
200 to 499 acres.....	153	143	1	16	36	26	38	26
500 to 999 acres.....	21	20	1	1	5	7	3	3
1,000 to 1,999 acres.....	1	1	-	-	1	-	-	-
2,000 acres or more.....	1	1	-	-	-	-	1	-
Cropland:								
Pasture or grazing only.....	farms... 2 164	1 062	13	100	215	171	225	338
	acres... 52 884	33 322	813	2 469	6 024	6 188	7 398	10 430
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....	farms... 362	209	2	27	27	30	40	83
	acres... 6 986	5 172	(D)	(D)	607	810	708	2 558
On which all crops failed.....	farms... 208	118	-	21	27	21	21	28
	acres... 1 531	955	-	135	219	175	251	175
In cultivated summer fallow.....	farms... 73	41	-	6	8	4	6	17
	acres... 946	500	-	12	130	16	81	261
Idle.....	farms... 857	472	8	40	89	87	104	144
	acres... 15 367	8 735	(D)	(D)	1 701	2 210	2 156	2 169
Total woodland.....	farms... 3 382	1 761	15	152	348	273	370	603
	acres... 225 442	141 063	923	10 850	27 477	24 318	32 055	45 440
Woodland pastured.....	farms... 1 049	575	7	34	115	93	138	188
	acres... 35 745	24 322	140	1 660	7 015	4 089	4 864	6 554
Woodland not pastured.....	farms... 2 933	1 523	13	139	296	241	313	521
	acres... 189 697	116 741	783	9 190	20 462	20 229	27 191	38 886

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>							
All farms..... number...	3 002	11	278	803	751	673	486
\$1,000... dollars...	1 740	-159	963	391	1 046	-68	-432
Average per farm..... dollars...	580	-14 429	3 463	487	1 392	-102	-889
Farms with net gains <sup>2</sup> ..... number...	951	-	104	289	161	211	186
Average net gain..... dollars...	12 546	-	15 699	9 544	28 861	9 977	4 238
Gain of—							
Less than \$1,000.....	263	-	40	72	25	67	59
\$1,000 to \$9,999.....	432	-	18	134	89	93	98
\$10,000 to \$49,999.....	222	-	41	68	36	49	26
\$50,000 or more.....	34	-	5	15	11	2	1
Farms with net losses..... number...	2 051	11	174	514	590	462	300
Average net loss..... dollars...	4 989	14 429	3 851	4 605	6 103	4 705	4 069
Loss of—							
Less than \$1,000.....	325	-	31	65	70	99	60
\$1,000 to \$9,999.....	1 517	-	132	389	449	322	225
\$10,000 to \$49,999.....	197	11	11	60	67	33	15
\$50,000 or more.....	12	-	-	-	4	8	-
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>							
Government payments..... farms...	108	-	13	22	28	23	22
\$1,000... dollars...	107	-	5	32	28	24	18
Other farm-related income <sup>1</sup> ..... farms...	641	-	50	180	182	139	90
\$1,000... dollars...	1 488	-	216	359	505	255	153
Customwork and other agricultural services..... farms...	230	-	25	86	51	46	22
\$1,000... dollars...	469	-	12	137	143	89	89
Gross cash rent or share payments..... farms...	153	-	11	68	22	13	39
\$1,000... dollars...	214	-	5	119	10	59	22
Forest products and Christmas trees..... farms...	303	-	25	72	73	104	29
\$1,000... dollars...	475	-	98	92	150	92	43
Other farm-related income sources..... farms...	108	-	20	10	56	22	-
\$1,000... dollars...	330	-	102	11	202	15	-
<b>COMMODITY CREDIT CORPORATION LOANS</b>							
Total..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Corn..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Wheat..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Soybeans..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Sorghum, barley, and oats..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Cotton..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey..... farms...	-	-	-	-	-	-	-
\$1,000... dollars...	-	-	-	-	-	-	-
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland..... farms...	2 705	19	241	710	721	605	409
acres...	72 140	537	9 180	14 332	20 549	15 541	12 001
Harvested cropland..... farms...	2 354	17	211	604	620	529	373
acres...	43 110	315	4 684	8 878	12 628	9 854	6 751
Farms by acres harvested:							
1 to 49 acres.....	2 178	15	192	567	562	497	345
50 to 99 acres.....	117	1	7	30	34	23	22
100 to 199 acres.....	48	1	11	7	19	6	4
200 to 499 acres.....	10	-	-	-	5	3	2
500 to 999 acres.....	1	-	1	-	-	-	-
1,000 to 1,999 acres.....	-	-	-	-	-	-	-
2,000 acres or more.....	-	-	-	-	-	-	-
Cropland:							
Pasture or grazing only..... farms...	1 102	4	106	304	299	247	142
acres...	19 562	(D)	2 108	(D)	5 608	4 126	3 631
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured..... farms...	153	1	13	44	42	34	19
acres...	1 814	(D)	(D)	313	624	293	476
On which all crops failed..... farms...	90	-	5	30	21	21	13
acres...	576	-	29	145	168	194	40
In cultivated summer fallow..... farms...	32	-	1	9	10	5	7
acres...	446	-	(D)	(D)	79	174	71
Idle..... farms...	385	1	37	99	108	81	59
acres...	6 632	(D)	(D)	991	1 442	900	1 032
Total woodland..... farms...	1 621	4	142	405	469	363	238
acres...	84 379	88	7 261	18 158	22 436	19 227	17 209
Woodland pastured..... farms...	474	2	42	123	144	96	67
acres...	11 423	(D)	(D)	2 381	2 870	2 909	2 298
Woodland not pastured..... farms...	1 410	2	127	352	406	318	205
acres...	72 956	(D)	(D)	15 777	19 566	16 318	14 911

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>								
Pastureland and rangeland other than cropland and woodland pastured	farms... 1 269 acres... 44 998	644 30 268	6 85	47 949	147 14 761	98 3 892	114 3 754	232 6 827
Land in house lots, ponds, roads, wasteland, etc.	farms... 4 123 acres... 72 157	2 117 45 158	13 103	181 2 826	439 11 261	361 7 877	455 9 980	668 13 111
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs	farms... 23 acres... 829	19 773	- (D)	2 (D)	5 348	7 243	3 100	2 (D)
Conservation reserve program	farms... 19 acres... 677	14 535	2 (D)	1 (D)	3 153	3 40	3 70	2 (D)
Value of land and buildings <sup>1</sup>	farms... 6 216 \$1,000... 2 154 033	3 214 1 382 813	40 16 945	241 99 272	701 297 311	511 269 940	621 288 295	1 100 411 050
Average per farm	dollars... 346 530	430 247	423 625	411 917	424 124	528 258	464 243	373 682
Average per acre	dollars... 3 553	3 339	2 758	4 411	3 295	3 814	2 873	3 312
Farms by value group:								
\$1 to \$39,999	640	270	-	38	57	45	57	73
\$40,000 to \$69,999	488	183	-	13	38	38	20	74
\$70,000 to \$99,999	455	192	-	25	19	23	51	74
\$100,000 to \$149,999	771	376	12	11	90	47	66	150
\$150,000 to \$199,999	761	415	-	47	79	37	69	183
\$200,000 to \$499,999	1 921	1 011	9	48	247	149	187	371
\$500,000 to \$999,999	786	475	19	15	117	108	108	108
\$1,000,000 to \$1,999,999	268	181	-	36	29	40	28	48
\$2,000,000 to \$4,999,999	114	101	-	8	23	22	34	14
\$5,000,000 or more	12	10	-	-	2	2	1	5
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Estimated market value of all machinery and equipment	farms... 6 207 \$1,000... 198 868	3 212 147 760	40 757	241 12 062	701 34 633	511 28 316	619 35 435	1 100 36 557
Farms by value group:								
\$1 to \$4,999	679	210	-	22	28	36	40	84
\$5,000 to \$9,999	1 426	515	-	20	116	69	59	251
\$10,000 to \$19,999	1 271	550	22	34	106	100	74	214
\$20,000 to \$49,999	1 701	1 010	18	95	250	131	199	317
\$50,000 to \$99,999	704	537	-	36	122	78	148	153
\$100,000 to \$199,999	327	300	-	24	59	76	73	68
\$200,000 to \$499,999	86	78	-	9	17	17	23	12
\$500,000 or more	13	12	-	1	3	4	3	1
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Motortrucks, including pickups	farms... 5 204 number... 10 957	2 877 7 100	40 73	234 490	629 1 558	466 1 404	587 1 593	921 1 982
Wheel tractors	farms... 5 360 number... 13 160	2 887 8 328	28 75	210 554	617 1 651	460 1 570	571 1 801	1 001 2 677
Less than 40 horsepower (PTO)	farms... 4 235 number... 7 624	2 156 4 300	19 49	174 278	441 793	336 764	420 908	766 1 508
40 horsepower (PTO) or more	farms... 2 915 number... 5 536	1 835 4 028	19 26	148 276	391 858	324 806	391 893	562 1 169
Grain and bean combines	farms... 52 number... 60	41 49	- (D)	2 (D)	6 (D)	17 17	8 13	8 9
Cottonpickers and strippers	farms... - number... -	- -	- -	- -	- -	- -	- -	- -
Mower conditioners	farms... 1 586 number... 1 783	858 959	20 21	49 51	156 176	170 204	189 214	274 293
Pickup balers	farms... 1 820 number... 1 993	1 001 1 104	22 22	35 42	164 197	149 173	223 244	408 426
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>								
Commercial fertilizer	farms... 3 858 acres on which used... 138 832	2 241 116 447	23 1 559	186 7 878	468 29 300	338 22 398	478 28 331	748 26 981
Lime	farms... 1 339 acres on which used... 23 208 tons... 33 838	773 15 886 23 565	18 146 305	89 1 291 2 201	163 3 754 6 373	122 3 734 4 376	183 3 326 5 046	198 3 635 5 264
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops	farms... 2 049 acres on which used... 49 252	1 302 43 796	- 1	109 2 837	284 13 112	217 8 496	267 9 105	425 10 246
Nematodes in crops	farms... 152 acres on which used... 5 212	133 4 962	- (D)	7 (D)	21 1 137	25 789	37 1 002	42 1 664
Diseases in crops and orchards	farms... 1 093 acres on which used... 25 050	717 22 320	- -	87 1 822	141 7 097	123 4 056	148 4 447	218 4 898
Weeds, grass, or brush in crops and pasture	farms... 1 690 acres on which used... 57 337	1 202 52 866	22 167	69 3 244	248 13 361	181 9 911	310 13 877	372 12 306
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms... 255 acres on which used... 5 928	160 5 578	- -	21 265	34 1 365	26 612	22 1 418	57 1 918

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>							
Pastureland and rangeland other than cropland and woodland pastured ----- farms..	625	-	64	193	168	114	86
acres..	14 730	-	1 765	4 261	3 262	1 993	3 449
Land in house lots, ponds, roads, wasteland, etc. ----- farms..	2 006	6	178	531	571	424	296
acres..	26 999	125	1 986	5 846	7 406	6 783	4 853
Cropland under federal acreage reduction programs:							
Annual commodity acreage adjustment programs ----- farms..	4	-	-	1	2	-	1
acres..	56	-	-	(D)	(D)	-	(D)
Conservation reserve program ----- farms..	5	-	-	2	-	-	3
acres..	142	-	-	(D)	-	-	(D)
Value of land and buildings <sup>1</sup> ----- farms..	3 002	11	278	803	751	673	486
\$1,000..	771 220	3 850	86 522	210 413	208 875	173 125	108 435
Average per farm ----- dollars..	256 902	350 000	239 288	262 034	278 129	257 244	223 117
Average per acre ----- dollars..	4 014	3 977	4 819	4 424	4 923	3 764	2 622
Farms by value group:							
\$1 to \$39,999 -----	370	-	43	102	81	72	72
\$40,000 to \$69,999 -----	305	-	32	75	88	80	50
\$70,000 to \$99,999 -----	263	-	43	45	46	78	51
\$100,000 to \$149,999 -----	395	-	49	120	56	117	53
\$150,000 to \$199,999 -----	346	-	32	103	114	30	67
\$200,000 to \$499,999 -----	910	11	60	226	290	173	150
\$500,000 to \$999,999 -----	311	-	10	102	66	101	32
\$1,000,000 to \$1,999,999 -----	87	-	8	27	26	15	11
\$2,000,000 to \$4,999,999 -----	13	-	-	3	3	7	-
\$5,000,000 or more -----	2	-	1	-	1	-	-
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Estimated market value of all machinery and equipment ----- farms..	2 995	11	278	796	751	673	486
\$1,000..	51 108	275	5 381	11 267	14 248	13 227	6 710
Farms by value group:							
\$1 to \$4,999 -----	469	-	45	119	98	111	96
\$5,000 to \$9,999 -----	911	-	70	245	214	209	173
\$10,000 to \$19,999 -----	721	-	65	237	172	174	73
\$20,000 to \$49,999 -----	691	11	59	169	195	130	127
\$50,000 to \$99,999 -----	167	-	37	22	60	31	17
\$100,000 to \$199,999 -----	27	-	2	4	10	11	-
\$200,000 to \$499,999 -----	8	-	-	-	2	6	-
\$500,000 or more -----	1	-	-	-	-	1	-
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Motortrucks, including pickups ----- farms..	2 327	-	222	649	632	468	356
number..	3 857	-	432	1 033	1 042	831	519
Wheel tractors ----- farms..	2 473	11	207	646	655	560	394
number..	4 832	33	378	1 117	1 198	1 341	765
Less than 40 horsepower (PTO) ----- farms..	2 079	11	181	557	554	435	341
number..	3 324	11	254	824	837	856	542
40 horsepower (PTO) or more ----- farms..	1 080	11	89	221	247	322	190
number..	1 508	22	124	293	361	485	223
Grain and bean combines ----- farms..	11	-	-	1	2	7	1
number..	11	-	-	(D)	(D)	7	(D)
Cottonpickers and strippers ----- farms..	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-
Mower conditioners ----- farms..	728	11	59	172	167	154	165
number..	824	11	77	193	186	169	188
Pickup balers ----- farms..	819	11	69	204	190	204	141
number..	889	11	70	221	207	238	142
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>							
Commercial fertilizer ----- farms..	1 617	11	160	387	438	337	284
acres on which used..	22 385	715	2 585	3 586	6 351	5 127	4 021
Lime ----- farms..	566	-	64	147	167	149	39
acres on which used..	7 322	-	1 487	1 839	1 790	1 053	1 153
tons..	10 273	-	1 414	2 276	2 851	1 506	2 226
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms..	747	-	109	212	170	162	94
acres on which used..	5 456	-	740	1 040	1 743	1 334	599
Nematodes in crops ----- farms..	19	-	2	11	2	3	1
acres on which used..	250	-	(D)	22	(D)	16	(D)
Diseases in crops and orchards ----- farms..	376	-	49	93	85	105	44
acres on which used..	2 730	-	543	290	1 154	555	188
Weeds, grass, or brush in crops and pasture ----- farms..	488	-	76	138	109	119	46
acres on which used..	4 471	-	535	1 159	1 425	959	393
Chemicals for defoliation or for growth control of crops or thinning of fruit ----- farms..	95	-	-	41	21	24	9
acres on which used..	350	-	-	144	114	74	18

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>TENURE AND RACE OF OPERATOR</b>								
All operators .....	6 216	3 174	30	310	663	504	649	1 018
Full owners .....	4 313	1 972	10	130	347	315	370	800
Part owners .....	1 449	926	5	91	231	163	244	192
Tenants .....	454	276	15	89	85	26	35	26
White .....	6 190	3 161	30	309	661	501	647	1 013
Full owners .....	4 294	1 964	10	130	346	314	368	796
Part owners .....	1 445	924	5	91	231	162	244	191
Tenants .....	451	273	15	88	84	25	35	26
Black and other races .....	26	13	-	1	2	3	2	5
Full owners .....	19	8	-	-	1	1	2	4
Part owners .....	4	2	-	-	-	1	-	1
Tenants .....	3	3	-	1	1	1	-	-
<b>OWNED AND RENTED LAND</b>								
Land owned .....	5 764	2 899	15	221	578	478	614	993
farms .....	505 108	325 465	587	19 644	70 331	57 152	72 021	105 730
acres .....	5 762	2 898	15	221	578	478	614	992
Owned land in farms .....	491 079	319 393	587	19 467	68 736	56 574	70 960	103 069
Land rented or leased from others .....	1 922	1 217	20	181	318	192	282	224
farms .....	125 835	98 210	3 258	11 089	27 205	18 284	24 326	14 048
acres .....	1 903	1 202	20	180	316	189	279	218
Rented or leased land in farms .....	124 106	97 544	3 258	11 007	27 145	18 038	24 155	13 941
Land rented or leased to others .....	402	179	-	8	27	28	34	82
farms .....	15 758	6 738	-	259	1 655	824	1 232	2 768
acres .....								
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated .....	4 918	2 510	20	216	521	387	520	846
Not on farm operated .....	960	475	10	83	107	84	90	101
Not reported .....	338	189	-	11	35	33	39	71
Operators by principal occupation:								
Farming .....	3 174	3 174	30	310	663	504	649	1 018
Other .....	3 042	-	-	-	-	-	-	-
Operators by days of work off farm:								
None .....	2 371	1 984	14	170	365	298	414	723
Any .....	3 516	861	16	123	247	169	158	148
1 to 99 days .....	552	399	9	70	98	71	74	77
100 to 199 days .....	681	236	5	25	79	54	49	24
200 days or more .....	2 283	226	2	28	70	44	35	47
Not reported .....	329	329	-	17	51	37	77	147
Operators by years on present farm:								
2 years or less .....	249	106	1	42	28	22	5	8
3 or 4 years .....	449	192	11	55	71	29	23	3
5 to 9 years .....	1 165	517	5	118	180	99	61	54
10 years or more .....	3 421	1 862	-	58	291	282	456	775
Average years on present farm .....	18.8	21.6	3.8	6.5	10.6	15.8	25.0	35.2
Not reported .....	932	497	13	37	93	72	104	178
Operators by age group:								
Under 25 years .....	50	30	30	-	-	-	-	-
25 to 34 years .....	590	310	-	310	-	-	-	-
35 to 44 years .....	1 477	653	-	-	663	-	-	-
45 to 49 years .....	687	258	-	-	-	258	-	-
50 to 54 years .....	642	246	-	-	-	246	-	-
55 to 59 years .....	642	293	-	-	-	-	293	-
60 to 64 years .....	663	356	-	-	-	-	356	-
65 to 69 years .....	595	400	-	-	-	-	-	400
70 years and over .....	870	618	-	-	-	-	-	618
Average age .....	52.6	54.7	22.5	30.4	39.7	49.2	59.7	72.3
Operators by sex:								
Male .....	5 415	2 752	22	264	511	434	583	938
Female .....	801	422	8	46	152	70	66	80
Operators of Spanish origin (see text) .....	24	12	-	1	3	5	-	3
<b>FARMS BY TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship) .....	5 124	2 455	24	236	495	374	481	845
farms .....	431 487	270 681	2 062	20 381	52 454	47 822	60 045	87 917
acres .....	481	301	4	28	69	43	78	79
Partnership .....	73 006	57 747	(D)	(D)	14 287	8 604	17 167	11 941
Corporation:								
Family held .....	493	350	2	36	82	76	81	73
farms .....	81 497	73 026	(D)	(D)	23 832	16 076	16 105	13 257
acres .....	4	3	-	-	-	-	1	2
More than 10 stockholders .....	489	347	2	36	82	76	80	71
10 or less stockholders .....								
Other than family held .....	51	30	-	6	8	5	4	7
farms .....	5 038	2 987	-	296	328	890	708	765
acres .....	6	3	-	-	-	-	1	2
More than 10 stockholders .....	45	27	-	6	8	5	3	5
10 or less stockholders .....								
Other—cooperative, estate or trust, institutional, etc. .....	67	38	-	4	9	6	5	14
farms .....	24 157	12 496	-	2 076	4 980	1 220	1 090	3 130
acres .....								

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>TENURE AND RACE OF OPERATOR</b>							
All operators .....	3 042	20	280	814	825	656	447
Full owners .....	2 341	9	160	589	648	537	398
Part owners .....	523	1	69	160	146	105	42
Tenants .....	178	10	51	65	31	14	7
White .....	3 029	20	279	810	821	654	445
Full owners .....	2 330	9	159	586	644	536	396
Part owners .....	521	1	69	159	146	104	42
Tenants .....	178	10	51	65	31	14	7
Black and other races .....	13	-	1	4	4	2	2
Full owners .....	11	-	1	3	4	1	2
Part owners .....	2	-	-	1	-	1	-
Tenants .....	-	-	-	-	-	-	-
<b>OWNED AND RENTED LAND</b>							
Land owned .....	2 865	10	229	749	794	643	440
farms .....	179 643	574	15 660	35 313	48 076	42 475	37 545
acres .....	2 864	10	229	749	794	642	440
Owned land in farms .....	171 686	574	15 426	34 501	45 073	40 602	35 510
Land rented or leased from others .....	705	11	120	226	180	119	49
farms .....	27 625	176	4 810	8 170	9 462	3 004	2 003
acres .....	701	11	120	225	177	119	49
Rented or leased land in farms .....	26 562	176	4 766	8 096	8 580	2 942	2 002
Land rented or leased to others .....	223	-	16	41	47	75	44
farms .....	9 020	-	278	886	3 885	1 935	2 036
acres .....	-	-	-	-	-	-	-
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated .....	2 408	11	191	663	664	539	340
Not on farm operated .....	485	7	79	123	131	84	61
Not reported .....	149	2	10	28	30	33	46
Operators by principal occupation:							
Farming .....	-	-	-	-	-	-	-
Other .....	3 042	20	280	814	825	656	447
Operators by days of work off farm:							
None .....	387	2	15	36	42	80	212
Any .....	2 655	18	265	778	783	576	235
1 to 99 days .....	153	1	14	29	33	34	42
100 to 199 days .....	445	4	44	124	122	104	47
200 days or more .....	2 057	13	207	625	628	438	146
Not reported .....	-	-	-	-	-	-	-
Operators by years on present farm:							
2 years or less .....	143	4	33	64	27	10	5
3 or 4 years .....	257	5	65	98	58	24	7
5 to 9 years .....	648	3	93	252	183	88	29
10 years or more .....	1 559	-	48	303	450	450	308
Average years on present farm .....	15.9	3.3	6.3	9.3	14.0	22.0	30.7
Not reported .....	435	8	41	97	107	84	98
Operators by age group:							
Under 25 years .....	20	20	-	-	-	-	-
25 to 34 years .....	280	-	280	-	-	-	-
35 to 44 years .....	814	-	-	814	-	-	-
45 to 49 years .....	429	-	-	-	429	-	-
50 to 54 years .....	396	-	-	-	396	-	-
55 to 59 years .....	349	-	-	-	-	349	-
60 to 64 years .....	307	-	-	-	-	307	-
65 to 69 years .....	195	-	-	-	-	-	195
70 years and over .....	252	-	-	-	-	-	252
Average age .....	50.5	22.0	31.1	39.9	49.3	59.3	72.1
Operators by sex:							
Male .....	2 663	15	239	706	735	589	379
Female .....	379	5	41	108	90	67	68
Operators of Spanish origin (see text) .....	12	1	1	2	2	5	1
<b>FARMS BY TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship) .....	2 669	20	238	708	743	572	388
farms .....	160 806	750	13 383	35 079	45 605	39 290	26 699
acres .....	180	-	23	54	38	35	30
Partnership .....	15 259	-	2 132	3 191	3 992	2 121	3 823
Corporation:							
Family held .....	143	-	12	41	33	37	20
acres .....	8 471	-	884	1 776	2 741	1 307	1 763
More than 10 stockholders .....	1	-	-	-	1	-	-
10 or less stockholders .....	142	-	12	41	32	37	20
Other than family held .....	21	-	3	6	7	3	2
acres .....	2 051	-	24	588	847	(D)	(D)
More than 10 stockholders .....	3	-	-	-	-	2	1
10 or less stockholders .....	18	-	3	6	7	1	1
Other—cooperative, estate or trust, institutional, etc. .....	29	-	4	5	4	9	7
farms .....	11 661	-	3 769	1 963	468	(D)	(D)
acres .....	-	-	-	-	-	-	-

See footnotes at end of table.

Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARMS BY SIZE</b>								
1 to 9 acres .....	1 105	476	6	64	117	77	81	131
10 to 49 acres .....	2 125	905	12	94	209	136	155	299
50 to 69 acres .....	587	263	3	27	53	30	59	91
70 to 99 acres .....	539	280	-	33	43	37	67	100
100 to 139 acres .....	566	322	3	29	61	45	63	121
140 to 179 acres .....	324	195	-	18	37	41	34	65
180 to 219 acres .....	264	175	2	4	34	31	39	65
220 to 259 acres .....	163	125	-	12	20	24	29	40
260 to 499 acres .....	386	302	2	20	60	49	91	80
500 to 999 acres .....	126	105	1	8	18	29	27	22
1,000 to 1,999 acres .....	26	22	1	1	9	5	3	3
2,000 acres or more .....	5	4	-	-	2	-	1	1
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) .....	25	14	-	-	8	2	-	4
Field crops, except cash grains (013) .....	975	397	7	24	50	38	62	216
Cotton (0131) .....	-	-	-	-	-	-	-	-
Tobacco (0132) .....	14	9	-	-	1	-	4	4
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	388	7	24	49	38	58	212
Vegetables and melons (016) .....	678	425	7	57	77	45	105	134
Fruits and tree nuts (017) .....	956	540	-	51	105	107	102	175
Horticultural specialties (018) .....	630	362	2	41	84	73	78	84
General farms, primarily crop (019) .....	274	73	1	6	13	6	9	38
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	460	4	26	90	64	96	180
Beef cattle, except feedlots (0212) .....	585	218	-	9	37	20	45	107
Dairy farms (024) .....	556	507	4	58	98	113	128	106
Poultry and eggs (025) .....	134	73	1	6	17	3	21	25
Animal specialties (027) .....	676	287	4	39	112	46	43	43
General farms, primarily livestock and animal specialties (029) .....	79	36	-	2	9	7	5	13
<b>LIVESTOCK</b>								
Cattle and calves inventory .....	2 112 farms..	1 135	12	99	216	193	255	360
number..	83 065	70 773	875	6 845	14 239	14 613	19 254	15 147
Farms with—								
1 to 9 .....	951	315	4	25	64	44	50	128
10 to 49 .....	657	357	4	21	60	48	87	137
50 to 99 .....	264	236	3	30	48	52	53	50
100 to 199 .....	169	158	-	17	27	35	49	30
200 to 499 .....	66	64	1	5	15	13	15	15
500 or more .....	5	5	-	1	2	1	1	-
Cows and heifers that had calved .....	1 757 farms..	985	10	91	190	178	221	295
number..	46 605	39 342	367	4 002	8 583	8 970	9 545	8 475
Beef cows .....	1 124 farms..	458	5	36	82	70	96	169
number..	9 692	5 196	82	808	947	623	1 130	1 606
Farms with—								
1 to 9 .....	869	325	2	24	55	54	60	130
10 to 49 .....	229	112	3	7	22	13	33	34
50 to 99 .....	16	16	-	3	5	3	1	4
100 to 199 .....	9	4	-	1	-	-	2	1
200 to 499 .....	1	1	-	1	-	-	-	-
500 or more .....	-	-	-	-	-	-	-	-
Milk cows .....	838 farms..	642	5	66	131	135	149	156
number..	36 913	34 746	285	3 194	7 636	8 347	8 415	6 869
Farms with—								
1 to 4 .....	256	119	1	9	25	19	17	48
5 to 9 .....	38	22	-	1	7	2	3	9
10 to 49 .....	249	213	-	30	42	40	57	44
50 to 99 .....	193	191	3	19	35	51	47	36
100 to 199 .....	86	81	1	6	17	18	22	17
200 to 499 .....	16	16	-	1	5	5	3	2
500 or more .....	-	-	-	-	-	-	-	-
Heifers and heifer calves .....	1 356 farms..	823	7	73	144	144	196	259
number..	26 965	23 503	158	2 255	4 591	4 633	6 481	5 385
Steers, steer calves, bulls, and bull calves .....	1 170 farms..	654	4	47	117	107	154	225
number..	9 495	7 328	150	588	1 065	1 010	3 228	1 287
Cattle and calves sold .....	1 725 farms..	1 030	9	85	191	170	239	336
number..	39 668	33 778	149	3 447	7 013	7 104	8 382	7 683
\$1,000 .....	11 297	9 268	45	933	1 899	1 743	2 564	2 084
Calves .....	1 074 farms..	731	6	73	146	132	166	208
number..	20 745	18 293	60	2 098	4 197	3 786	4 131	4 021
\$1,000 .....	1 837	1 530	4	278	362	57	325	305
Cattle .....	1 514 farms..	916	9	78	170	13	219	287
number..	18 923	15 485	89	1 349	2 816	3 18	4 251	3 662
\$1,000 .....	9 461	7 737	41	655	1 537	1 13	2 338	1 779
Fattened on grain and concentrates .....	352 farms..	152	3	10	30	3	31	58
number..	2 712	1 922	21	207	183	185	1 021	305
\$1,000 .....	1 588	1 106	13	84	124	105	642	138

See footnotes at end of table.



Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>FARMS BY SIZE</b>							
1 to 9 acres .....	629	10	74	181	168	119	77
10 to 49 acres .....	1 220	4	111	361	329	257	158
50 to 69 acres .....	324	4	16	89	98	74	43
70 to 99 acres .....	259	1	23	48	68	64	55
100 to 139 acres .....	244	-	25	60	75	39	45
140 to 179 acres .....	129	-	8	33	21	40	27
180 to 219 acres .....	89	-	4	19	16	34	16
220 to 259 acres .....	38	-	5	9	11	8	5
260 to 499 acres .....	84	1	13	10	28	20	12
500 to 999 acres .....	21	-	-	3	11	1	6
1,000 to 1,999 acres .....	4	-	-	1	-	-	3
2,000 acres or more .....	1	-	1	-	-	-	-
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011) .....	11	-	2	3	1	4	1
Field crops, except cash grains (013) .....	578	3	40	129	157	144	105
Cotton (0131) .....	-	-	-	-	-	-	-
Tobacco (0132) .....	5	-	-	2	3	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	573	3	40	127	154	144	105
Vegetables and melons (016) .....	253	9	28	58	56	60	42
Fruits and tree nuts (017) .....	416	3	33	118	117	85	60
Horticultural specialties (018) .....	268	1	31	76	70	51	39
General farms, primarily crop (019) .....	201	-	17	41	50	47	46
Livestock, except dairy, poultry, and animal specialties (021) .....	773	1	81	216	217	164	94
Beef cattle, except feedlots (0212) .....	367	1	32	82	101	99	52
Dairy farms (024) .....	49	-	7	12	11	9	10
Poultry and eggs (025) .....	61	-	8	20	18	5	10
Animal specialties (027) .....	389	3	30	117	121	79	39
General farms, primarily livestock and animal specialties (029) .....	43	-	3	24	7	8	1
<b>LIVESTOCK</b>							
Cattle and calves inventory .....	977	2	95	310	243	190	137
number .....	12 292	(D)	(D)	2 928	3 877	2 617	1 602
Farms with—							
1 to 9 .....	636	2	53	226	153	122	80
10 to 49 .....	300	-	39	76	78	56	51
50 to 99 .....	28	-	2	6	5	9	6
100 to 199 .....	11	-	1	2	5	3	-
200 to 499 .....	2	-	-	-	2	-	-
500 or more .....	-	-	-	-	-	-	-
Cows and heifers that had calved .....	772	2	68	233	208	155	106
number .....	6 663	(D)	(D)	1 296	2 419	1 447	824
Beef cows .....	666	2	55	201	182	134	92
number .....	4 496	(D)	(D)	966	1 501	1 115	595
Farms with—							
1 to 9 .....	544	2	44	176	135	113	74
10 to 49 .....	117	-	11	25	45	18	18
50 to 99 .....	-	-	-	-	-	-	-
100 to 199 .....	5	-	-	-	2	3	-
200 to 499 .....	-	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-	-
Milk cows .....	196	-	21	65	54	32	24
number .....	2 167	-	358	330	918	332	229
Farms with—							
1 to 4 .....	137	-	12	54	39	18	14
5 to 9 .....	16	-	2	2	3	6	3
10 to 49 .....	36	-	6	8	8	7	7
50 to 99 .....	2	-	-	1	-	1	-
100 to 199 .....	5	-	1	-	4	-	-
200 to 499 .....	-	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-	-
Heifers and heifer calves .....	533	1	57	168	128	100	79
number .....	3 462	(D)	(D)	873	926	808	458
Steers, steer calves, bulls, and bull calves .....	516	-	51	161	125	99	80
number .....	2 167	-	194	759	532	362	320
Cattle and calves sold .....	695	1	66	196	175	156	101
number .....	5 890	(D)	(D)	1 535	1 720	1 439	813
\$1,000 .....	2 030	(D)	(D)	484	549	544	313
Calves .....	343	-	29	96	88	83	47
number .....	2 452	-	122	738	781	559	252
\$1,000 .....	306	-	11	89	94	73	38
Cattle .....	598	1	58	167	158	128	86
number .....	3 438	(D)	(D)	797	939	880	561
\$1,000 .....	1 723	(D)	(D)	395	454	471	275
Fattened on grain and concentrates .....	200	-	22	73	46	31	28
number .....	790	-	67	225	194	137	167
\$1,000 .....	481	-	41	141	127	76	96

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>LIVESTOCK—Con.</b>								
Hogs and pigs inventory..... farms...	498	229	3	16	58	33	57	62
..... number...	25 816	20 236	510	1 576	4 640	2 322	5 188	6 000
Farms with—								
1 to 24..... farms.....	388	149	1	10	44	21	40	33
25 to 49..... farms.....	37	22	-	-	6	4	2	10
50 to 99..... farms.....	18	13	-	2	1	1	3	6
100 to 199..... farms.....	23	17	-	1	2	3	7	4
200 to 499..... farms.....	21	18	2	1	2	3	3	7
500 or more..... farms.....	11	10	-	2	3	1	2	2
Used or to be used for breeding..... farms...	211	107	2	10	26	18	23	28
..... number...	3 189	2 519	(D)	(D)	380	287	564	998
Other..... farms.....	444	210	3	12	49	31	53	62
..... number...	22 627	17 717	(D)	(D)	4 260	2 035	4 624	5 002
Hogs and pigs sold..... farms...	387	184	2	13	46	26	44	53
..... number...	40 048	30 379	(D)	(D)	8 050	4 821	8 934	6 600
..... \$1,000.....	4 220	3 082	(D)	(D)	955	535	895	510
Feeder pigs..... farms.....	96	41	-	5	8	7	10	11
..... number...	9 091	6 534	-	398	1 324	275	1 769	2 768
..... \$1,000.....	374	287	-	16	49	10	135	76
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30..... farms...	218	111	2	11	26	19	23	30
..... number...	3 837	3 126	(D)	(D)	506	452	768	1 008
Dec. 1 and May 31..... farms.....	202	103	2	11	24	19	20	27
..... number...	1 882	1 503	(D)	(D)	219	229	348	506
June 1 and Nov. 30..... farms.....	165	92	2	5	25	17	21	22
..... number...	1 955	1 623	(D)	(D)	287	223	420	502
Sheep and lambs of all ages inventory..... farms...	604	211	1	21	55	40	43	51
..... number...	14 761	6 795	(D)	(D)	1 735	928	2 100	1 354
Ewes 1 year old or older..... farms.....	521	187	1	19	52	35	34	46
..... number...	9 597	4 747	(D)	(D)	1 274	627	1 481	937
Sheep and lambs sold..... farms...	493	174	1	19	47	31	32	44
..... number...	11 548	5 338	(D)	(D)	1 171	638	2 262	907
Sheep and lambs shorn..... farms.....	511	180	1	17	46	32	37	47
..... number...	13 036	6 059	(D)	(D)	1 448	728	2 002	1 279
..... pounds of wool...	95 098	42 519	(D)	(D)	8 858	4 978	14 206	8 983
Horses and ponies inventory..... farms...	1 608	629	4	74	198	101	115	137
..... number...	11 944	5 837	83	818	2 217	881	863	975
Horses and ponies sold..... farms.....	421	188	2	31	72	31	25	27
..... number...	1 230	628	(D)	(D)	258	118	66	96
Goats inventory..... farms.....	279	99	2	14	35	14	14	20
..... number...	2 756	1 546	(D)	(D)	484	629	151	157
Goats sold..... farms.....	98	39	1	7	13	5	6	7
..... number...	1 187	596	(D)	(D)	159	204	44	70
<b>POULTRY</b>								
Chickens 3 months old or older inventory..... farms...	738	306	2	33	69	44	76	82
..... number...	1 502 202	1 367 332	(D)	(D)	371 571	87 421	692 116	116 132
Farms with—								
1 to 399..... farms.....	679	263	2	27	58	40	67	69
400 to 3,199..... farms.....	32	19	-	2	5	2	3	7
3,200 to 9,999..... farms.....	7	6	-	2	-	-	1	3
10,000 to 19,999..... farms.....	4	4	-	1	1	1	-	1
20,000 to 49,999..... farms.....	7	6	-	-	2	-	2	2
50,000 to 99,999..... farms.....	4	3	-	1	1	1	-	-
100,000 or more..... farms.....	5	3	-	-	2	-	3	-
Hens and pullets of laying age..... farms...	733	303	2	31	69	43	76	82
..... number...	1 251 356	1 128 602	(D)	(D)	321 833	21 040	596 272	104 552
Pullets 3 months old or older not of laying age..... farms.....	95	47	1	5	12	9	11	9
..... number...	250 846	238 730	(D)	(D)	49 738	66 381	95 844	11 580
Hens and pullets sold..... farms.....	192	94	2	16	19	14	19	24
..... number...	1 195 586	1 096 054	(D)	(D)	210 877	83 949	598 081	98 742
Broilers and other meat-type chickens sold..... farms.....	37	9	-	3	2	-	2	2
..... number...	(D)	50 869	-	38 125	(D)	-	(D)	(D)
Farms with—								
1 to 1,999..... farms.....	34	6	-	2	1	-	2	1
2,000 to 59,999..... farms.....	3	3	-	1	1	-	-	1
60,000 to 99,999..... farms.....	-	-	-	-	-	-	-	-
100,000 or more..... farms.....	-	-	-	-	-	-	-	-
Turkey hens kept for breeding..... farms...	25	9	1	-	-	2	5	1
..... number...	2 140	1 916	(D)	-	-	(D)	1 909	(D)
Turkeys sold..... farms.....	86	35	-	4	15	5	10	1
..... number...	153 714	146 491	-	5 227	40 962	83	(D)	(D)

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>LIVESTOCK—Con.</b>							
Hogs and pigs inventory	farms... 269	1	34	102	70	40	22
	number... 5 580	(D)	(D)	1 223	888	999	163
Farms with—							
1 to 24	239	-	32	92	62	32	21
25 to 49	15	1	1	7	3	2	1
50 to 99	5	-	-	-	3	2	-
100 to 199	6	-	-	2	1	3	-
200 to 499	3	-	-	1	1	1	-
500 or more	1	-	1	-	-	-	-
Used or to be used for breeding	farms... 104	1	16	37	20	22	8
	number... 670	(D)	(D)	277	181	122	25
Other	farms... 234	1	26	92	63	32	20
	number... 4 910	(D)	(D)	946	707	877	138
Hogs and pigs sold	farms... 203	1	29	75	48	32	18
	number... 9 669	(D)	(D)	1 941	1 502	1 274	399
	\$1,000... 1 138	(D)	(D)	135	104	131	52
Feeder pigs	farms... 55	-	9	17	13	12	4
	number... 2 557	-	204	970	969	357	57
	\$1,000... 87	-	8	23	41	13	2
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30	farms... 107	1	16	38	20	24	8
	number... 711	(D)	(D)	278	224	127	24
Dec. 1 and May 31	farms... 99	1	15	36	19	22	6
	number... 379	(D)	(D)	144	115	77	11
June 1 and Nov. 30	farms... 73	1	9	26	14	15	3
	number... 332	(D)	(D)	134	109	50	13
Sheep and lambs of all ages inventory	farms... 393	1	40	115	129	65	43
	number... 7 966	(D)	(D)	1 547	2 246	1 245	1 222
Ewes 1 year old or older	farms... 334	-	34	99	110	58	33
	number... 4 850	-	1 060	952	1 399	821	618
Sheep and lambs sold	farms... 319	1	35	79	115	59	30
	number... 6 210	(D)	(D)	995	1 800	804	1 391
Sheep and lambs shorn	farms... 331	-	36	96	110	58	31
	number... 6 977	-	1 540	1 445	2 194	1 038	760
	pounds of wool... 52 579	-	10 130	11 084	17 664	8 120	5 581
Horses and ponies inventory	farms... 979	4	86	303	276	195	115
	number... 6 107	43	683	1 868	1 868	1 246	698
Horses and ponies sold	farms... 233	2	22	73	64	49	23
	number... 602	(D)	(D)	172	242	99	39
Goats inventory	farms... 180	-	24	68	55	22	11
	number... 1 210	-	151	544	374	82	59
Goats sold	farms... 59	-	8	22	21	5	3
	number... 591	-	65	260	214	24	28
<b>POULTRY</b>							
Chickens 3 months old or older inventory	farms... 432	3	44	163	121	58	43
	number... 134 870	206	1 633	11 349	34 005	80 029	7 648
Farms with—							
1 to 399	416	3	44	160	117	53	39
400 to 3,199	13	-	-	3	3	3	4
3,200 to 9,999	1	-	-	-	-	1	-
10,000 to 19,999	-	-	-	-	-	-	-
20,000 to 49,999	1	-	-	-	1	-	-
50,000 to 99,999	1	-	-	-	-	1	-
100,000 or more	-	-	-	-	-	-	-
Hens and pullets of laying age	farms... 430	3	43	162	121	58	43
	number... 122 754	206	1 517	10 802	25 137	78 663	6 429
Pullets 3 months old or older not of laying age	farms... 48	-	6	14	14	9	5
	number... 12 116	-	116	547	8 868	1 366	1 219
Hens and pullets sold	farms... 98	-	10	30	35	16	7
	number... 99 512	-	532	1 133	21 000	74 695	2 152
Broilers and other meat-type chickens sold	farms... 28	-	4	5	12	3	4
	number... (D)	-	(D)	228	410	530	220
Farms with—							
1 to 1,999	28	-	4	5	12	3	4
2,000 to 59,999	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	-	-
Turkey hens kept for breeding	farms... 16	-	2	7	2	4	1
	number... 224	-	(D)	16	(D)	132	(D)
Turkeys sold	farms... 51	-	7	19	13	6	6
	number... 7 223	-	2 081	2 268	1 815	299	760

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Total farming and other occupations	Farming						
		Total	Age of operator (years)					
			Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>CROPS HARVESTED</b>								
Corn for silage or green chop ----- farms...	604	479	3	42	93	106	123	112
acres...	28 643	26 624	354	1 812	5 614	5 409	7 954	5 481
tons, green...	524 819	485 434	8 121	35 273	100 173	99 661	146 697	95 509
Irrigated ----- farms...	6	5	-	-	-	2	3	-
acres...	89	(D)	-	-	-	(D)	33	-
Farms by acres harvested:								
1 to 24 acres -----	274	165	1	16	29	32	44	43
25 to 99 acres -----	250	237	1	22	47	57	62	48
100 to 249 acres -----	69	66	-	3	14	15	13	21
250 to 499 acres -----	9	9	1	1	3	2	2	-
500 acres or more -----	2	2	-	-	-	-	2	-
Irish potatoes ----- farms...	93	78	-	9	20	9	23	17
acres...	2 628	2 545	-	113	245	839	655	694
cwt...	615 427	602 878	-	20 304	49 658	300 645	112 366	119 905
Irrigated ----- farms...	15	14	-	1	5	3	2	3
acres...	150	(D)	-	(D)	44	16	(D)	74
Farms by acres harvested:								
0.1 to 4.9 acres -----	50	41	-	6	9	5	15	6
5.0 to 24.9 acres -----	23	18	-	1	7	1	3	6
25.0 to 99.9 acres -----	15	14	-	2	4	1	3	4
100.0 to 249.9 acres -----	3	3	-	-	-	1	2	-
250.0 acres or more -----	2	2	-	-	-	1	-	1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -- farms...	2 874	1 434	13	106	252	215	302	546
acres...	121 498	87 116	1 219	7 722	16 703	16 365	21 657	23 450
tons, dry...	250 559	194 180	2 398	18 500	37 362	37 657	48 242	50 021
Irrigated ----- farms...	24	14	-	-	3	2	1	8
acres...	339	234	-	-	25	(D)	(D)	194
Farms by acres harvested:								
1 to 24 acres -----	1 542	556	3	44	88	69	96	256
25 to 99 acres -----	1 013	602	5	33	104	84	135	241
100 to 249 acres -----	265	226	4	23	46	51	59	43
250 to 499 acres -----	48	45	1	5	14	11	9	5
500 acres or more -----	6	5	-	1	-	-	3	1
Tame hay other than alfalfa, small grain, and wild hay (see text) ----- farms...	1 699	945	8	71	169	145	218	334
acres...	60 650	43 393	753	3 651	8 831	7 320	11 107	11 731
tons, dry...	120 497	91 935	1 718	8 584	20 442	15 417	22 546	23 228
Irrigated ----- farms...	11	8	-	-	3	-	1	4
acres...	219	156	-	-	15	-	(D)	(D)
Vegetables harvested for sale (see text) --- farms...	1 008	656	10	81	133	79	156	197
acres...	16 325	14 319	135	1 917	3 278	2 152	4 454	2 384
Irrigated ----- farms...	312	237	-	33	45	35	62	62
acres...	4 750	4 467	-	710	862	563	1 625	709
Farms by acres harvested:								
0.1 to 4.9 acres -----	438	213	3	22	44	20	41	83
5.0 to 24.9 acres -----	386	273	6	32	46	36	65	88
25.0 to 99.9 acres -----	156	142	1	26	34	19	39	23
100.0 to 249.9 acres -----	26	26	-	1	9	3	10	3
250.0 acres or more -----	2	2	-	-	-	1	1	-
Sweet corn harvested for sale ----- farms...	596	410	3	50	80	53	110	114
acres...	8 444	7 457	53	1 021	1 673	1 047	2 568	1 095
Irrigated ----- farms...	163	130	-	17	21	23	38	31
acres...	2 042	1 921	-	356	284	242	801	238
Land in orchards ----- farms...	572	290	1	35	49	39	55	111
acres...	9 379	7 470	(D)	(D)	1 829	1 441	1 479	2 011
Irrigated ----- farms...	57	35	-	10	6	3	6	10
acres...	267	197	-	48	32	48	15	54
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres -----	269	99	-	10	13	10	20	46
5.0 to 24.9 acres -----	201	99	-	15	17	9	18	40
25.0 to 99.9 acres -----	82	74	1	9	13	16	14	21
100.0 to 249.9 acres -----	18	16	-	1	5	4	3	3
250.0 acres or more -----	2	2	-	-	1	-	-	1
Berries harvested for sale ----- farms...	890	549	2	66	110	99	121	151
acres...	13 385	11 674	(D)	(D)	4 607	2 094	2 360	2 021
Irrigated ----- farms...	646	422	-	51	88	86	92	105
acres...	12 499	11 198	-	561	4 549	1 956	2 207	1 926

See footnotes at end of table.

**Table 50. Summary by Age and Principal Occupation of Operator: 1987—Con.**

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

Item	Other occupations						
	Total	Age of operator (years)					
		Under 25	25 to 34	35 to 44	45 to 54	55 to 64	65 and over
<b>CROPS HARVESTED</b>							
Corn for silage or green chop	farms... 125	1	13	32	36	28	15
	acres... 2 019	(D)	(D)	266	1 014	342	207
	tons, green... 39 385	(D)	(D)	3 940	22 585	4 843	4 080
Irrigated	farms... 1	-	-	-	-	1	-
	acres... (D)	-	-	-	-	(D)	-
Farms by acres harvested:							
1 to 24 acres	109	-	11	32	27	25	14
25 to 99 acres	13	1	2	-	6	3	1
100 to 249 acres	3	-	-	-	3	-	-
250 to 499 acres	-	-	-	-	-	-	-
500 acres or more	-	-	-	-	-	-	-
Irish potatoes	farms... 15	-	2	2	1	9	1
	acres... 83	-	(D)	(D)	(D)	32	(D)
	cwt... 12 549	-	(D)	(D)	(D)	4 058	(D)
Irrigated	farms... 1	-	-	-	-	1	-
	acres... (D)	-	-	-	-	(D)	-
Farms by acres harvested:							
0.1 to 4.9 acres	9	-	1	-	1	6	1
5.0 to 24.9 acres	5	-	-	2	-	3	-
25.0 to 99.9 acres	1	-	1	-	-	-	-
100.0 to 249.9 acres	-	-	-	-	-	-	-
250.0 acres or more	-	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms... 1 440	3	121	372	377	327	240
	acres... 34 382	218	3 798	6 981	9 436	8 037	5 912
	tons, dry... 56 379	362	7 575	10 500	14 830	12 651	10 461
Irrigated	farms... 10	-	2	3	1	4	-
	acres... 105	-	(D)	12	(D)	12	-
Farms by acres harvested:							
1 to 24 acres	986	1	81	286	249	208	161
25 to 99 acres	411	1	30	81	114	112	73
100 to 249 acres	39	1	9	5	13	5	6
250 to 499 acres	3	-	-	-	1	2	-
500 acres or more	1	-	1	-	-	-	-
Tame hay other than alfalfa, small grain, and wild hay (see text)	farms... 754	3	60	170	205	194	122
	acres... 17 257	218	1 822	3 005	4 957	4 400	2 855
	tons, dry... 28 562	362	3 808	4 904	7 545	6 706	5 237
Irrigated	farms... 3	-	-	1	-	2	-
	acres... 63	-	-	(D)	-	(D)	-
Vegetables harvested for sale (see text)	farms... 352	9	40	83	80	82	58
	acres... 2 005	62	196	498	471	553	226
Irrigated	farms... 75	-	14	20	14	16	11
	acres... 282	-	40	71	45	101	27
Farms by acres harvested:							
0.1 to 4.9 acres	225	2	26	55	53	47	42
5.0 to 24.9 acres	113	7	13	25	23	29	16
25.0 to 99.9 acres	14	-	1	3	4	6	-
100.0 to 249.9 acres	-	-	-	-	-	-	-
250.0 acres or more	-	-	-	-	-	-	-
Sweet corn harvested for sale	farms... 186	4	15	44	50	38	35
	acres... 987	33	69	257	252	284	92
Irrigated	farms... 33	-	3	11	6	8	5
	acres... 122	-	9	31	9	61	11
Land in orchards	farms... 282	-	16	87	70	78	31
	acres... 1 909	-	93	576	683	377	182
Irrigated	farms... 22	-	2	7	3	8	2
	acres... 69	-	(D)	10	29	27	(D)
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	170	-	10	57	27	56	20
5.0 to 24.9 acres	102	-	5	28	37	22	10
25.0 to 99.9 acres	8	-	1	-	6	-	1
100.0 to 249.9 acres	2	-	-	2	-	-	-
250.0 acres or more	-	-	-	-	-	-	-
Berries harvested for sale	farms... 341	4	35	102	89	60	51
	acres... 1 711	4	110	389	725	303	181
Irrigated	farms... 224	3	22	73	61	35	30
	acres... 1 301	4	74	350	522	216	136

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 51. Summary by Size of Farm: 1987**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>FARMS AND LAND IN FARMS</b>						
Farms..... number.....	6 216	1 105	2 125	587	539	566
..... percent.....	100.0	17.8	34.2	9.4	8.7	9.1
Land in farms..... acres.....	615 185	4 911	52 758	33 925	44 465	65 401
Average size of farm..... acres.....	99	4	25	58	82	116
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>						
Total sales (see text)..... farms.....	6 216	1 105	2 125	587	539	566
..... \$1,000.....	340 464	26 938	59 224	30 504	26 092	21 564
Average per farm..... dollars.....	54 772	24 378	27 870	51 965	48 409	38 099
<b>Farms by value of sales:</b>						
Less than \$1,000 (see text).....	1 133	194	552	121	80	85
\$1,000 to \$2,499.....	1 034	238	388	115	102	85
\$2,500 to \$4,999.....	830	172	285	88	79	84
\$5,000 to \$9,999.....	720	157	228	68	77	76
\$10,000 to \$19,999.....	591	117	216	50	46	59
\$20,000 to \$24,999.....	179	36	65	11	13	15
\$25,000 to \$39,999.....	356	61	126	31	32	23
\$40,000 to \$49,999.....	138	20	33	24	8	11
\$50,000 to \$99,999.....	515	52	124	42	42	64
\$100,000 to \$249,999.....	475	41	69	26	48	51
\$250,000 to \$499,999.....	148	10	21	7	6	10
\$500,000 to \$999,999.....	53	4	9	-	2	3
\$1,000,000 or more.....	44	3	9	4	4	-
<b>Grains.....</b>						
..... farms.....	78	-	24	6	8	10
..... \$1,000.....	785	-	76	(D)	(D)	45
Sales of \$50,000 or more..... farms.....	5	-	-	-	-	-
..... \$1,000.....	332	-	-	-	-	-
<b>Corn for grain.....</b>						
..... farms.....	67	-	20	5	8	7
..... \$1,000.....	729	-	72	9	(D)	37
<b>Wheat.....</b>						
..... farms.....	3	-	-	-	-	1
..... \$1,000.....	(D)	-	-	-	-	(D)
<b>Soybeans.....</b>						
..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
<b>Sorghum for grain.....</b>						
..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
<b>Barley.....</b>						
..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
<b>Oats.....</b>						
..... farms.....	5	-	2	-	-	1
..... \$1,000.....	(D)	-	(D)	-	-	(D)
<b>Other grains.....</b>						
..... farms.....	7	-	2	1	-	1
..... \$1,000.....	39	-	(D)	(D)	-	(D)
<b>Cotton and cottonseed.....</b>						
..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
<b>Tobacco.....</b>						
..... farms.....	21	-	6	1	2	4
..... \$1,000.....	4 587	-	189	(D)	(D)	728
Sales of \$50,000 or more..... farms.....	11	-	1	1	1	2
..... \$1,000.....	4 355	-	(D)	(D)	(D)	(D)
<b>Hay, silage, and field seeds.....</b>						
..... farms.....	1 569	18	391	187	209	229
..... \$1,000.....	7 803	21	606	477	762	928
Sales of \$50,000 or more..... farms.....	18	-	-	-	-	-
..... \$1,000.....	1 250	-	-	-	-	-
<b>Vegetables, sweet corn, and melons.....</b>						
..... farms.....	1 007	162	387	116	90	77
..... \$1,000.....	25 179	923	6 471	3 389	3 341	3 109
Sales of \$50,000 or more..... farms.....	138	-	30	21	27	16
..... \$1,000.....	15 627	-	2 203	1 935	2 484	2 547
<b>Fruits, nuts, and berries.....</b>						
..... farms.....	1 186	194	451	130	94	105
..... \$1,000.....	92 349	1 216	10 645	4 335	5 111	8 939
Sales of \$50,000 or more..... farms.....	305	1	70	29	33	53
..... \$1,000.....	83 747	(D)	6 674	3 222	4 544	8 430
<b>Nursery and greenhouse crops.....</b>						
..... farms.....	824	368	263	59	50	25
..... \$1,000.....	80 867	19 384	30 262	5 449	10 326	1 381
Sales of \$50,000 or more..... farms.....	212	89	75	12	12	5
..... \$1,000.....	73 509	15 742	28 271	4 936	9 879	1 114
<b>Other crops.....</b>						
..... farms.....	114	14	36	14	13	12
..... \$1,000.....	4 285	24	207	141	105	235
Sales of \$50,000 or more..... farms.....	12	-	-	-	-	2
..... \$1,000.....	3 520	-	-	-	-	(D)
<b>Poultry and poultry products.....</b>						
..... farms.....	498	90	191	51	38	41
..... \$1,000.....	23 149	2 652	3 842	973	2 643	588
Sales of \$50,000 or more..... farms.....	44	9	16	3	3	2
..... \$1,000.....	22 016	2 405	3 390	845	2 599	(D)
<b>Dairy products.....</b>						
..... farms.....	609	14	49	18	50	66
..... \$1,000.....	63 309	589	2 215	832	2 568	3 813
Sales of \$50,000 or more..... farms.....	409	3	15	5	23	36
..... \$1,000.....	58 969	360	1 734	540	2 025	3 197
<b>Cattle and calves.....</b>						
..... farms.....	1 725	87	342	135	205	237
..... \$1,000.....	11 297	263	983	451	642	1 060
Sales of \$50,000 or more..... farms.....	25	-	2	2	-	1
..... \$1,000.....	2 563	-	(D)	(D)	-	(D)

See footnotes at end of table.

Table 51. Summary by Size of Farm: 1987—Con.

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>FARMS AND LAND IN FARMS</b>							
Farms.....number.....	324	264	163	386	126	26	5
.....percent.....	5.2	4.2	2.6	6.2	2.0	.4	.1
Land in farms.....acres.....	50 600	52 297	38 800	134 194	79 966	34 020	23 848
Average size of farm.....acres.....	156	198	238	348	635	1 308	4 770
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales (see text).....farms.....	324	264	163	386	126	26	5
.....\$1,000.....	18 453	16 168	14 470	54 262	40 120	15 766	16 903
Average per farm.....dollars.....	56 954	61 242	88 771	140 576	318 416	606 390	3 380 590
Farms by value of sales:							
Less than \$1,000 (see text).....	47	22	5	18	9	-	-
\$1,000 to \$2,499.....	41	35	8	19	3	-	-
\$2,500 to \$4,999.....	37	33	18	26	7	1	-
\$5,000 to \$9,999.....	38	31	19	22	4	-	-
\$10,000 to \$19,999.....	23	27	15	27	6	5	-
\$20,000 to \$24,999.....	16	4	4	12	3	-	-
\$25,000 to \$39,999.....	15	24	16	24	4	-	-
\$40,000 to \$49,999.....	7	12	5	17	1	-	-
\$50,000 to \$99,999.....	39	27	29	72	22	2	-
\$100,000 to \$249,999.....	43	38	33	95	28	2	1
\$250,000 to \$499,999.....	17	8	7	34	23	5	-
\$500,000 to \$999,999.....	-	2	2	12	11	6	2
\$1,000,000 or more.....	1	1	2	8	5	5	2
Grains.....farms.....							
.....\$1,000.....	37	19	(D)	110	206	154	(D)
Sales of \$50,000 or more.....farms.....	-	-	-	1	2	1	(D)
.....\$1,000.....	-	-	-	(D)	(D)	(D)	(D)
Corn for grain.....farms.....							
.....\$1,000.....	37	(D)	(D)	(D)	198	154	(D)
Wheat.....farms.....	-	-	-	-	2	-	-
.....\$1,000.....	-	-	-	-	(D)	-	-
Soybeans.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Sorghum for grain.....farms.....							
.....\$1,000.....	-	-	-	-	-	-	-
Barley.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Oats.....farms.....	-	-	-	-	2	-	-
.....\$1,000.....	-	-	-	-	(D)	-	-
Other grains.....farms.....	-	1	-	1	-	-	1
.....\$1,000.....	-	(D)	-	(D)	-	-	(D)
Cotton and cottonseed.....farms.....							
.....\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Tobacco.....farms.....							
.....\$1,000.....	656	-	(D)	(D)	(D)	-	-
Sales of \$50,000 or more.....farms.....	2	-	2	2	-	-	-
.....\$1,000.....	(D)	-	(D)	(D)	-	-	-
Hay, silage, and field seeds.....farms.....							
.....\$1,000.....	567	753	621	2 068	852	(D)	(D)
Sales of \$50,000 or more.....farms.....	-	-	2	9	6	-	1
.....\$1,000.....	-	-	(D)	634	397	-	(D)
Vegetables, sweet corn, and melons.....farms.....							
.....\$1,000.....	2 544	970	1 302	2 245	676	(D)	(D)
Sales of \$50,000 or more.....farms.....	14	7	8	11	2	2	-
.....\$1,000.....	2 070	699	1 135	1 810	(D)	(D)	-
Fruits, nuts, and berries.....farms.....							
.....\$1,000.....	5 357	5 388	1 861	17 292	7 425	(D)	(D)
Sales of \$50,000 or more.....farms.....	24	25	8	41	12	7	2
.....\$1,000.....	4 867	4 995	1 638	17 102	7 408	(D)	(D)
Nursery and greenhouse crops.....farms.....							
.....\$1,000.....	1 487	722	1 149	2 881	(D)	(D)	-
Sales of \$50,000 or more.....farms.....	6	2	5	3	3	-	-
.....\$1,000.....	1 318	(D)	1 138	2 810	(D)	-	-
Other crops.....farms.....							
.....\$1,000.....	177	145	121	936	(D)	(D)	(D)
Sales of \$50,000 or more.....farms.....	1	2	1	4	-	1	1
.....\$1,000.....	(D)	(D)	(D)	(D)	-	(D)	(D)
Poultry and poultry products.....farms.....							
.....\$1,000.....	1 619	2 242	1 218	1 688	(D)	(D)	(D)
Sales of \$50,000 or more.....farms.....	4	1	2	2	1	-	1
.....\$1,000.....	1 588	(D)	(D)	(D)	(D)	-	(D)
Dairy products.....farms.....							
.....\$1,000.....	4 889	4 745	5 681	21 605	12 503	3 670	-
Sales of \$50,000 or more.....farms.....	41	37	41	140	58	10	-
.....\$1,000.....	4 398	4 285	5 477	20 850	12 433	3 670	-
Cattle and calves.....farms.....							
.....\$1,000.....	819	969	879	3 324	1 306	(D)	(D)
Sales of \$50,000 or more.....farms.....	1	1	3	10	3	1	1
.....\$1,000.....	(D)	(D)	156	1 339	225	(D)	(D)

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>						
Total sales (see text)—Con.						
Hogs and pigs ----- farms...	387	45	146	39	36	48
\$1,000...	4 220	186	1 591	629	127	348
Sales of \$50,000 or more ----- farms...	15	-	4	2	-	2
\$1,000...	2 705	-	1 156	(D)	-	(D)
Sheep, lambs, and wool ----- farms...	563	70	214	74	49	57
\$1,000...	884	70	193	49	120	139
Sales of \$50,000 or more ----- farms...	1	-	-	-	-	-
\$1,000...	(D)	-	-	-	-	-
Other livestock and livestock products (see text) ----- farms...	722	189	293	55	57	47
\$1,000...	21 749	1 611	1 944	13 719	160	252
Sales of \$50,000 or more ----- farms...	25	7	9	3	-	2
\$1,000...	19 082	945	880	13 499	-	(D)
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>						
Total farm production expenses ----- farms...	6 216	1 098	2 171	553	541	571
\$1,000...	251 496	20 776	48 876	26 185	16 636	15 481
Average per farm ----- dollars...	40 460	18 922	22 513	47 351	30 750	27 112
Livestock and poultry purchased ----- farms...	1 559	228	503	134	167	169
\$1,000...	11 441	1 049	2 257	2 258	634	506
Farms with expenses of--						
\$1 to \$4,999 -----	1 238	167	420	121	146	148
\$5,000 to \$24,999 -----	242	57	61	8	17	17
\$25,000 to \$99,999 -----	64	3	19	2	3	4
\$100,000 or more -----	15	1	3	3	1	-
Feed for livestock and poultry ----- farms...	2 893	382	936	232	278	318
\$1,000...	33 525	2 439	4 163	2 744	1 778	1 785
Farms with expenses of--						
\$1 to \$4,999 -----	2 130	260	790	216	232	256
\$5,000 to \$24,999 -----	448	103	115	7	36	42
\$25,000 to \$99,999 -----	271	17	23	6	8	17
\$100,000 or more -----	44	2	8	3	2	3
Commercially mixed formula feeds ----- farms...	1 552	223	402	89	163	161
\$1,000...	28 256	1 430	2 376	2 446	1 355	1 438
Farms with expenses of--						
\$1 to \$4,999 -----	992	171	340	77	126	109
\$5,000 to \$24,999 -----	322	42	44	3	31	37
\$25,000 to \$79,999 -----	192	6	12	6	3	12
\$80,000 or more -----	46	4	6	3	3	3
Seeds, bulbs, plants, and trees ----- farms...	2 429	452	713	179	189	217
\$1,000...	6 227	813	2 352	608	469	238
Farms with expenses of--						
\$1 to \$999 -----	1 851	398	546	111	136	149
\$1,000 to \$4,999 -----	618	71	129	60	42	60
\$5,000 to \$24,999 -----	121	38	24	3	7	8
\$25,000 or more -----	39	5	14	5	4	-
Commercial fertilizer ----- farms...	3 858	625	1 187	347	364	335
\$1,000...	8 953	368	887	440	592	616
Farms with expenses of--						
\$1 to \$4,999 -----	3 420	622	1 167	330	318	295
\$5,000 to \$24,999 -----	398	2	20	17	46	39
\$25,000 to \$49,999 -----	28	1	-	-	-	1
\$50,000 or more -----	12	-	-	-	-	-
Agricultural chemicals ----- farms...	3 027	564	982	294	188	279
\$1,000...	7 319	208	966	583	533	645
Farms with expenses of--						
\$1 to \$4,999 -----	2 719	562	950	261	150	237
\$5,000 to \$24,999 -----	264	1	29	33	37	40
\$25,000 to \$49,999 -----	29	1	3	-	-	2
\$50,000 or more -----	15	-	-	-	1	-
Petroleum products ----- farms...	5 859	1 008	2 036	499	521	538
\$1,000...	12 042	1 517	2 794	1 084	1 068	784
Farms with expenses of--						
\$1 to \$4,999 -----	5 438	948	1 965	484	496	517
\$5,000 to \$24,999 -----	369	55	59	8	21	20
\$25,000 to \$49,999 -----	32	3	8	3	2	1
\$50,000 or more -----	20	2	4	4	2	-
Gasoline and gasohol ----- farms...	5 243	886	1 841	479	423	491
\$1,000...	5 325	533	1 141	612	350	499
Diesel fuel ----- farms...	2 743	270	792	208	320	262
\$1,000...	2 585	187	358	181	186	144
Natural gas ----- farms...	175	42	62	7	18	1
\$1,000...	841	175	312	121	77	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms...	3 773	579	1 176	359	300	311
\$1,000...	3 291	623	983	170	455	(D)

See footnotes at end of table.



Table 51. Summary by Size of Farm: 1987—Con.

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>							
Total sales (see text)—Con.							
Hogs and pigs ----- farms..	18	13	8	23	9	2	-
\$1,000... \$1,000..	87	55	71	432	(D) 5	(D)	-
Sales of \$50,000 or more ----- farms..	-	-	-	2	5	-	-
\$1,000... \$1,000..	-	-	-	(D)	644	-	-
Sheep, lambs, and wool ----- farms..	19	20	13	27	16	4	-
\$1,000... \$1,000..	28	16	21	30	195	23	-
Sales of \$50,000 or more ----- farms..	-	-	-	-	1	-	-
\$1,000... \$1,000..	-	-	-	-	(D)	-	-
Other livestock and livestock products (see text) ----- farms..	16	22	12	21	7	2	1
\$1,000... \$1,000..	185	145	114	(D)	3 052	(D)	(D)
Sales of \$50,000 or more ----- farms..	1	-	-	-	1	1	1
\$1,000... \$1,000..	(D)	-	-	-	(D)	(D)	(D)
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
Total farm production expenses ----- farms..	364	262	133	379	113	26	5
\$1,000... \$1,000..	14 128	11 554	9 683	39 262	30 068	9 931	8 914
Average per farm ----- dollars..	38 812	44 101	72 807	103 595	266 092	381 970	1 782 876
Livestock and poultry purchased ----- farms..	75	65	38	134	35	10	1
\$1,000... \$1,000..	415	343	534	1 359	1 407	(D)	(D)
Farms with expenses of—							
\$1 to \$4,999 -----	51	59	20	87	15	4	-
\$5,000 to \$24,999 -----	20	3	13	32	10	4	-
\$25,000 to \$99,999 -----	4	2	4	13	8	2	-
\$100,000 or more -----	-	1	1	2	2	-	1
Feed for livestock and poultry ----- farms..	170	170	80	225	86	14	2
\$1,000... \$1,000..	2 101	2 491	2 082	6 433	6 338	(D)	(D)
Farms with expenses of—							
\$1 to \$4,999 -----	128	120	39	71	13	5	-
\$5,000 to \$24,999 -----	20	22	20	61	21	1	-
\$25,000 to \$99,999 -----	20	27	17	86	43	6	1
\$100,000 or more -----	2	1	4	7	9	2	1
Commercially mixed formula feeds ----- farms..	64	123	60	181	72	12	2
\$1,000... \$1,000..	1 654	1 962	1 531	5 443	5 570	(D)	(D)
Farms with expenses of—							
\$1 to \$4,999 -----	24	82	22	33	5	3	-
\$5,000 to \$24,999 -----	21	24	27	68	24	1	-
\$25,000 to \$79,999 -----	18	15	8	74	33	4	1
\$80,000 or more -----	1	2	3	6	10	4	1
Seeds, bulbs, plants, and trees ----- farms..	128	148	78	220	86	16	3
\$1,000... \$1,000..	228	137	183	480	365	228	126
Farms with expenses of—							
\$1 to \$999 -----	84	111	33	122	20	1	-
\$1,000 to \$4,999 -----	35	35	39	87	52	7	1
\$5,000 to \$24,999 -----	7	2	5	7	13	7	-
\$25,000 or more -----	2	-	1	4	1	1	2
Commercial fertilizer ----- farms..	236	224	110	298	104	23	5
\$1,000... \$1,000..	554	575	507	2 018	1 145	678	574
Farms with expenses of—							
\$1 to \$4,999 -----	204	181	82	180	36	5	-
\$5,000 to \$24,999 -----	31	43	26	104	56	12	2
\$25,000 to \$49,999 -----	1	-	1	11	11	2	-
\$50,000 or more -----	-	-	1	3	1	4	3
Agricultural chemicals ----- farms..	176	112	78	243	86	20	5
\$1,000... \$1,000..	603	550	222	1 279	734	481	515
Farms with expenses of—							
\$1 to \$4,999 -----	147	76	68	197	62	8	1
\$5,000 to \$24,999 -----	25	35	9	32	17	5	1
\$25,000 to \$49,999 -----	4	1	1	9	4	4	-
\$50,000 or more -----	-	-	-	5	3	3	3
Petroleum products ----- farms..	355	254	133	371	113	26	5
\$1,000... \$1,000..	664	504	435	1 648	927	352	265
Farms with expenses of—							
\$1 to \$4,999 -----	331	231	114	279	66	7	-
\$5,000 to \$24,999 -----	23	23	16	87	41	13	3
\$25,000 to \$49,999 -----	1	-	2	3	4	5	-
\$50,000 or more -----	-	-	1	2	2	1	2
Gasoline and gasohol ----- farms..	315	216	127	331	106	24	4
\$1,000... \$1,000..	336	253	189	709	436	183	85
Diesel fuel ----- farms..	224	168	84	296	90	24	5
\$1,000... \$1,000..	168	173	144	529	340	109	67
Natural gas ----- farms..	3	6	2	18	11	3	2
\$1,000... \$1,000..	11	5	(D)	40	57	17	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	236	214	117	340	111	25	5
\$1,000... \$1,000..	149	74	(D)	370	94	44	(D)

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>						
—Con.						
Total farm production expenses—Con.						
Electricity ----- farms...	4 286	684	1 303	375	360	433
\$1,000...	5 959	631	1 180	629	542	373
Farms with expenses of—						
\$1 to \$999.....	3 151	540	1 104	283	270	330
\$1,000 to \$4,999.....	895	111	165	84	81	87
\$5,000 to \$24,999.....	225	33	30	7	7	16
\$25,000 or more.....	15	—	4	1	2	—
Hired farm labor ----- farms...	2 185	355	585	205	198	135
\$1,000...	66 579	4 755	13 443	9 115	4 327	3 507
Farms with expenses of—						
\$1 to \$4,999.....	1 095	216	370	107	113	45
\$5,000 to \$24,999.....	617	90	120	68	40	57
\$25,000 to \$99,999.....	362	41	70	24	41	27
\$100,000 or more.....	111	8	25	6	4	6
Contract labor ----- farms...	1 025	213	277	132	80	91
\$1,000...	7 906	801	1 672	487	495	880
Farms with expenses of—						
\$1 to \$999.....	408	118	120	45	30	28
\$1,000 to \$4,999.....	332	52	104	44	22	27
\$5,000 to \$24,999.....	231	39	45	41	22	29
\$25,000 or more.....	54	4	8	2	6	7
Repair and maintenance ----- farms...	5 222	863	1 815	484	455	476
\$1,000...	16 873	1 617	3 642	1 106	1 160	1 150
Farms with expenses of—						
\$1 to \$4,999.....	4 353	773	1 639	438	385	404
\$5,000 to \$24,999.....	785	88	161	42	63	68
\$25,000 to \$49,999.....	55	—	12	2	6	3
\$50,000 or more.....	29	2	3	2	1	1
Customwork, machine hire, and rental of machinery and equipment ----- farms...	1 276	213	423	119	89	89
\$1,000...	3 570	192	420	234	191	304
Farms with expenses of—						
\$1 to \$999.....	781	172	304	65	60	42
\$1,000 to \$4,999.....	362	36	107	43	19	29
\$5,000 to \$24,999.....	115	3	12	11	9	16
\$25,000 or more.....	18	2	—	—	1	2
Interest expense ----- farms...	1 981	349	599	172	166	142
\$1,000...	13 788	1 629	2 614	871	890	724
Farms with expenses of—						
\$1 to \$4,999.....	1 395	272	491	116	100	103
\$5,000 to \$24,999.....	485	70	93	53	61	34
\$25,000 to \$99,999.....	88	7	13	2	5	5
\$100,000 or more.....	13	—	2	1	—	—
Secured by real estate ----- farms...	1 410	244	423	129	124	110
\$1,000...	10 563	1 288	2 089	632	698	540
Farms with expenses of—						
\$1 to \$999.....	281	42	74	36	23	40
\$1,000 to \$4,999.....	659	131	252	54	58	40
\$5,000 to \$24,999.....	391	65	84	37	39	28
\$25,000 or more.....	79	6	13	2	4	2
Not secured by real estate ----- farms...	950	182	281	68	73	76
\$1,000...	3 225	341	526	239	192	184
Farms with expenses of—						
\$1 to \$999.....	440	96	156	25	31	36
\$1,000 to \$4,999.....	375	79	106	32	31	32
\$5,000 to \$24,999.....	112	6	16	9	11	7
\$25,000 or more.....	23	1	3	2	—	1
Cash rent ----- farms...	1 092	77	228	122	96	112
\$1,000...	3 848	266	385	485	393	305
Farms with expenses of—						
\$1 to \$4,999.....	918	70	214	86	89	99
\$5,000 to \$9,999.....	86	2	9	20	3	8
\$10,000 to \$24,999.....	65	2	2	16	2	4
\$25,000 or more.....	23	3	3	—	2	1
Property taxes ----- farms...	5 817	986	2 021	526	517	552
\$1,000...	15 219	1 472	3 943	1 241	1 065	1 411
Farms with expenses of—						
\$1 to \$4,999.....	5 240	953	1 889	472	481	501
\$5,000 to \$9,999.....	397	26	105	42	28	25
\$10,000 to \$24,999.....	150	6	24	10	6	26
\$25,000 or more.....	30	1	3	2	2	—
All other farm production expenses ----- farms...	5 700	1 018	1 919	530	467	519
\$1,000...	38 248	3 020	8 157	4 302	2 498	2 251
Farms with expenses of—						
\$1 to \$4,999.....	4 694	917	1 667	465	398	436
\$5,000 to \$24,999.....	744	85	212	56	46	61
\$25,000 to \$49,999.....	143	5	21	4	17	14
\$50,000 or more.....	119	11	19	5	6	8

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
—Con.							
Total farm production expenses—Con.							
Electricity ----- farms...	321	227	114	338	102	24	5
\$1,000...	348	302	228	857	609	176	84
Farms with expenses of—							
\$1 to \$999 .....	230	150	70	148	21	5	—
\$1,000 to \$4,999 .....	79	65	32	142	43	6	—
\$5,000 to \$24,999 .....	11	12	12	46	35	13	3
\$25,000 or more .....	1	—	—	2	3	—	2
Hired farm labor ----- farms...	156	135	68	245	76	22	5
\$1,000...	3 080	2 222	2 224	10 399	8 165	2 056	3 306
Farms with expenses of—							
\$1 to \$4,999 .....	84	68	16	61	10	5	—
\$5,000 to \$24,999 .....	28	46	37	109	18	3	1
\$25,000 to \$99,999 .....	36	17	10	55	34	6	1
\$100,000 or more .....	8	4	5	20	14	8	3
Contract labor ----- farms...	54	46	34	67	22	7	2
\$1,000...	549	529	165	811	778	(D)	(D)
Farms with expenses of—							
\$1 to \$999 .....	20	12	15	16	3	1	—
\$1,000 to \$4,999 .....	9	16	11	37	8	2	—
\$5,000 to \$24,999 .....	20	15	7	6	6	1	—
\$25,000 or more .....	5	3	1	8	5	3	2
Repair and maintenance ----- farms...	282	243	122	345	108	25	4
\$1,000...	1 228	795	868	2 661	1 437	679	531
Farms with expenses of—							
\$1 to \$4,999 .....	209	196	59	197	46	6	1
\$5,000 to \$24,999 .....	72	44	59	131	47	9	1
\$25,000 to \$49,999 .....	—	3	3	11	11	4	—
\$50,000 or more .....	1	—	1	6	4	6	2
Customwork, machine hire, and rental of machinery and equipment ----- farms...	94	60	30	108	36	13	2
\$1,000...	271	180	91	492	451	(D)	(D)
Farms with expenses of—							
\$1 to \$999 .....	44	34	7	46	3	4	—
\$1,000 to \$4,999 .....	32	17	13	42	23	1	—
\$5,000 to \$24,999 .....	17	8	10	15	8	6	—
\$25,000 or more .....	1	1	—	5	2	2	2
Interest expense ----- farms...	118	93	62	190	69	19	2
\$1,000...	546	629	659	2 746	1 618	(D)	(D)
Farms with expenses of—							
\$1 to \$4,999 .....	96	49	34	99	27	8	—
\$5,000 to \$24,999 .....	18	39	21	66	26	4	—
\$25,000 to \$99,999 .....	4	5	5	21	13	7	1
\$100,000 or more .....	—	—	2	4	3	—	1
Secured by real estate ----- farms...	60	60	45	141	60	12	2
\$1,000...	347	480	526	2 145	1 150	(D)	(D)
Farms with expenses of—							
\$1 to \$999 .....	25	10	3	19	8	1	—
\$1,000 to \$4,999 .....	19	11	18	55	17	4	—
\$5,000 to \$24,999 .....	13	36	18	47	22	2	—
\$25,000 or more .....	3	3	6	20	13	5	2
Not secured by real estate ----- farms...	68	42	25	90	32	13	—
\$1,000...	199	149	133	601	468	192	—
Farms with expenses of—							
\$1 to \$999 .....	34	21	4	29	7	1	—
\$1,000 to \$4,999 .....	27	14	16	27	8	3	—
\$5,000 to \$24,999 .....	6	5	3	30	13	6	—
\$25,000 or more .....	1	2	2	4	4	3	—
Cash rent ----- farms...	93	75	70	158	52	9	—
\$1,000...	296	201	193	701	474	148	—
Farms with expenses of—							
\$1 to \$4,999 .....	75	60	67	126	30	2	—
\$5,000 to \$9,999 .....	7	12	1	16	6	2	—
\$10,000 to \$24,999 .....	11	3	1	11	10	3	—
\$25,000 or more .....	—	—	1	5	6	2	—
Property taxes ----- farms...	345	257	106	370	110	23	4
\$1,000...	1 100	857	376	1 789	907	390	668
Farms with expenses of—							
\$1 to \$4,999 .....	278	216	87	294	63	6	—
\$5,000 to \$9,999 .....	52	26	16	41	31	5	—
\$10,000 to \$24,999 .....	13	15	2	28	11	8	1
\$25,000 or more .....	2	—	1	7	5	4	3
All other farm production expenses ----- farms...	356	250	126	371	113	26	5
\$1,000...	2 165	1 238	917	5 590	4 715	2 179	1 217
Farms with expenses of—							
\$1 to \$4,999 .....	284	182	86	205	47	7	—
\$5,000 to \$24,999 .....	49	56	30	108	34	6	1
\$25,000 to \$49,999 .....	16	10	6	30	16	3	1
\$50,000 or more .....	7	2	4	28	16	10	3

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>						
All farms..... number..	6 216	1 098	2 171	553	541	571
\$1,000.....	84 172	5 933	11 078	5 571	7 285	4 629
Average per farm..... dollars..	13 541	5 404	5 103	10 074	13 466	8 107
Farms with net gains <sup>2</sup> ..... number..	3 017	545	936	216	228	270
Average net gain..... dollars..	35 387	17 996	20 482	32 882	39 978	23 375
Gain of—						
Less than \$1,000.....	374	81	183	26	46	19
\$1,000 to \$9,999.....	1 131	284	352	77	95	101
\$10,000 to \$49,999.....	1 077	140	313	83	62	114
\$50,000 or more.....	435	40	88	30	25	36
Farms with net losses..... number..	3 199	553	1 235	337	313	301
Average net loss..... dollars..	7 062	7 006	6 553	4 545	5 847	5 589
Loss of—						
Less than \$1,000.....	463	107	170	43	62	29
\$1,000 to \$9,999.....	2 195	359	903	269	190	207
\$10,000 to \$49,999.....	490	68	148	24	60	65
\$50,000 or more.....	51	19	14	1	1	-
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>						
Government payments..... farms..	400	19	55	27	41	34
\$1,000.....	2 213	12	26	21	124	73
Other farm-related income <sup>1</sup> ..... farms..	1 361	101	394	96	143	164
\$1,000.....	5 802	413	1 420	298	549	539
Customwork and other agricultural services..... farms..	449	32	155	19	35	57
\$1,000.....	2 163	97	682	70	214	404
Gross cash rent or share payments..... farms..	300	30	69	24	48	33
\$1,000.....	477	12	128	95	31	23
Forest products and Christmas trees..... farms..	570	38	157	68	69	51
\$1,000.....	1 780	214	253	114	215	46
Other farm-related income sources..... farms..	368	11	76	4	40	56
\$1,000.....	1 382	90	357	18	88	66
<b>COMMODITY CREDIT CORPORATION LOANS</b>						
Total..... farms..	8	2	1	-	-	-
\$1,000.....	159	(D)	(D)	-	-	-
Corn..... farms..	5	-	-	-	-	-
\$1,000.....	(D)	-	-	-	-	-
Wheat..... farms..	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-
Soybeans..... farms..	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-
Sorghum, barley, and oats..... farms..	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-
Cotton..... farms..	-	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey..... farms..	3	2	1	-	-	-
\$1,000.....	(D)	(D)	(D)	-	-	-
<b>LAND IN FARMS ACCORDING TO USE</b>						
Total cropland..... farms..	5 654	849	1 920	552	519	547
acres..	272 588	2 419	26 813	15 303	21 124	28 878
Harvested cropland..... farms..	5 084	742	1 622	512	486	510
acres..	194 874	1 798	17 299	10 962	14 596	19 876
Farms by acres harvested:						
1 to 49 acres.....	4 028	742	1 622	463	378	361
50 to 99 acres.....	544	-	-	49	108	107
100 to 199 acres.....	336	-	-	-	-	42
200 to 499 acres.....	153	-	-	-	-	-
500 to 999 acres.....	21	-	-	-	-	-
1,000 to 1,999 acres.....	1	-	-	-	-	-
2,000 acres or more.....	1	-	-	-	-	-
Cropland:						
Pasture or grazing only..... farms..	2 164	145	670	194	249	268
acres..	52 884	415	6 285	2 738	4 704	6 708
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured..... farms..	362	21	105	28	45	32
acres..	6 986	(D)	580	219	544	349
On which all crops failed..... farms..	208	9	75	25	28	17
acres..	1 531	17	357	114	296	101
In cultivated summer fallow..... farms..	73	1	17	6	7	14
acres..	946	(D)	50	35	36	333
Idle..... farms..	857	64	290	105	77	84
acres..	15 367	143	2 242	1 235	948	1 511
Total woodland..... farms..	3 382	147	978	396	370	437
acres..	225 442	399	11 587	10 435	14 963	26 105
Woodland pastured..... farms..	1 049	33	244	109	114	150
acres..	35 745	96	2 124	1 564	2 186	3 828
Woodland not pastured..... farms..	2 933	121	836	338	328	395
acres..	189 697	303	9 463	8 871	12 777	22 277

See footnotes at end of table.

Table 51. **Summary by Size of Farm: 1987—Con.**

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>							
All farms.....number.....	364	262	133	379	113	26	5
.....\$1,000.....	3 921	5 464	2 880	14 071	9 516	5 835	7 989
Average per farm.....dollars.....	10 772	20 856	21 653	37 126	84 213	224 420	1 597 714
Farms with net gains <sup>2</sup> .....number.....	207	135	96	271	88	21	4
Average net gain.....dollars.....	26 749	50 659	34 943	55 800	113 914	279 369	2 127 597
Gain of—							
Less than \$1,000.....	7	10	—	1	1	—	—
\$1,000 to \$9,999.....	106	28	41	33	10	4	—
\$10,000 to \$49,999.....	63	55	38	157	48	3	1
\$50,000 or more.....	31	42	17	80	29	14	3
Farms with net losses.....number.....	157	127	37	108	25	5	1
Average net loss.....dollars.....	10 292	10 825	12 829	9 733	20 334	(D)	(D)
Loss of—							
Less than \$1,000.....	17	14	10	9	1	1	—
\$1,000 to \$9,999.....	101	72	11	66	14	3	—
\$10,000 to \$49,999.....	39	32	15	32	6	1	—
\$50,000 or more.....	—	9	1	1	4	—	1
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>							
Government payments.....farms.....	40	38	21	78	40	6	1
.....\$1,000.....	60	83	375	1 191	176	(D)	(D)
Other farm-related income <sup>1</sup> .....farms.....	97	105	47	170	40	3	1
.....\$1,000.....	676	322	301	966	257	(D)	(D)
Customwork and other agricultural services.....farms.....	33	57	12	40	9	—	—
.....\$1,000.....	52	166	208	231	38	—	—
Gross cash rent or share payments.....farms.....	19	21	4	50	2	—	—
.....\$1,000.....	73	53	5	(D)	(D)	—	—
Forest products and Christmas trees.....farms.....	38	58	15	50	23	2	1
.....\$1,000.....	273	73	58	(D)	174	(D)	(D)
Other farm-related income sources.....farms.....	39	21	20	82	17	2	—
.....\$1,000.....	279	30	30	352	(D)	(D)	—
<b>COMMODITY CREDIT CORPORATION LOANS</b>							
Total.....farms.....	1	—	—	—	3	1	—
.....\$1,000.....	(D)	—	—	—	56	(D)	—
Corn.....farms.....	1	—	—	—	3	—	—
.....\$1,000.....	(D)	—	—	—	56	(D)	—
Wheat.....farms.....	—	—	—	—	—	—	—
.....\$1,000.....	—	—	—	—	—	—	—
Soybeans.....farms.....	—	—	—	—	—	—	—
.....\$1,000.....	—	—	—	—	—	—	—
Sorghum, barley, and oats.....farms.....	—	—	—	—	—	—	—
.....\$1,000.....	—	—	—	—	—	—	—
Cotton.....farms.....	—	—	—	—	—	—	—
.....\$1,000.....	—	—	—	—	—	—	—
Peanuts, rye, rice, tobacco, and honey.....farms.....	—	—	—	—	—	—	—
.....\$1,000.....	—	—	—	—	—	—	—
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland.....farms.....	316	259	161	380	121	25	5
.....acres.....	21 241	22 656	18 203	60 148	33 709	12 457	9 637
Harvested cropland.....farms.....	294	249	156	364	119	25	5
.....acres.....	14 414	16 492	13 816	44 663	26 351	8 500	6 107
Farms by acres harvested:							
1 to 49 acres.....	188	118	49	83	19	5	—
50 to 99 acres.....	65	73	42	88	12	—	—
100 to 199 acres.....	41	53	53	116	29	2	—
200 to 499 acres.....	—	5	12	77	49	10	—
500 to 999 acres.....	—	—	—	—	10	8	3
1,000 to 1,999 acres.....	—	—	—	—	—	—	1
2,000 acres or more.....	—	—	—	—	—	—	1
Cropland:							
Pasture or grazing only.....farms.....	143	131	86	201	64	13	—
.....acres.....	4 342	4 486	3 410	11 379	5 564	2 853	—
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....farms.....	24	21	19	42	20	3	2
.....acres.....	423	348	332	1 772	(D)	(D)	(D)
On which all crops failed.....farms.....	11	13	9	16	5	—	—
.....acres.....	109	260	57	191	29	—	—
In cultivated summer fallow.....farms.....	10	4	3	7	2	—	—
.....acres.....	265	44	41	51	(D)	(D)	—
Idle.....farms.....	56	49	25	68	30	6	1
.....acres.....	1 688	1 026	547	2 092	1 191	(D)	(D)
Total woodland.....farms.....	263	195	137	322	115	20	2
.....acres.....	21 654	20 601	14 380	55 783	36 114	(D)	(D)
Woodland pastured.....farms.....	88	65	56	128	54	8	—
.....acres.....	3 810	2 784	2 759	8 649	6 807	1 138	—
Woodland not pastured.....farms.....	229	174	111	276	106	—	2
.....acres.....	17 844	17 817	11 621	47 134	29 307	(D)	(D)

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>						
Pastureland and rangeland other than cropland and woodland pastured ----- farms..	1 269	106	386	141	117	136
acres..	44 998	370	3 521	2 445	2 261	3 060
Land in house lots, ponds, roads, wasteland, etc. ----- farms..	4 123	659	1 451	419	358	378
acres..	72 157	1 723	10 837	5 742	6 117	7 358
Cropland under federal acreage reduction programs:						
Annual commodity acreage adjustment programs ----- farms..	23	-	-	-	1	1
acres..	829	-	-	-	(D)	(D)
Conservation reserve program ----- farms..	19	-	6	3	2	-
acres..	677	-	144	66	(D)	-
Value of land and buildings <sup>1</sup> ----- farms..	6 216	1 098	2 171	553	541	571
\$1,000..	2 154 033	143 705	448 777	175 340	179 475	186 671
Average per farm ----- dollars..	346 530	130 879	206 714	317 071	331 747	326 919
Average per acre ----- dollars..	3 553	28 868	8 453	5 511	3 985	2 806
Farms by value group:						
\$1 to \$39,999 -----	640	373	225	4	22	8
\$40,000 to \$69,999 -----	488	131	209	60	39	28
\$70,000 to \$99,999 -----	455	86	262	46	22	25
\$100,000 to \$149,999 -----	771	154	333	67	48	68
\$150,000 to \$199,999 -----	761	94	280	122	81	90
\$200,000 to \$499,999 -----	1 921	218	675	133	231	233
\$500,000 to \$999,999 -----	786	37	153	99	70	101
\$1,000,000 to \$1,999,999 -----	268	3	31	7	24	15
\$2,000,000 to \$4,999,999 -----	114	1	3	15	3	3
\$5,000,000 or more -----	12	1	-	-	1	-
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>						
Estimated market value of all machinery and equipment ----- farms..	6 207	1 098	2 171	552	541	570
\$1,000..	198 868	22 261	45 200	14 847	14 522	19 147
Farms by value group:						
\$1 to \$4,999 -----	679	228	286	49	54	29
\$5,000 to \$9,999 -----	1 426	300	618	153	105	116
\$10,000 to \$19,999 -----	1 271	200	505	98	161	128
\$20,000 to \$49,999 -----	1 701	281	556	161	153	163
\$50,000 to \$99,999 -----	704	47	152	68	34	106
\$100,000 to \$199,999 -----	327	34	39	20	30	22
\$200,000 to \$499,999 -----	86	7	14	3	3	5
\$500,000 or more -----	13	1	1	-	1	1
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>						
Motortrucks, including pickups ----- farms..	5 204	875	1 781	453	465	472
number..	10 957	1 406	3 104	870	918	1 001
Wheel tractors ----- farms..	5 360	777	1 834	523	495	528
number..	13 160	1 372	3 348	1 154	1 281	1 501
Less than 40 horsepower (PTO) ----- farms..	4 235	678	1 512	427	377	399
number..	7 624	1 015	2 347	796	640	779
40 horsepower (PTO) or more ----- farms..	2 915	259	733	252	311	411
number..	5 536	357	1 001	358	641	722
Grain and bean combines ----- farms..	52	-	9	1	4	8
number..	60	-	9	(D)	7	12
Cottonpickers and strippers ----- farms..	-	-	-	-	-	-
number..	-	-	-	-	-	-
Mower conditioners ----- farms..	1 586	81	279	89	208	190
number..	1 783	103	297	91	217	196
Pickup balers ----- farms..	1 820	23	316	107	266	307
number..	1 993	23	347	107	290	326
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>						
Commercial fertilizer ----- farms..	3 858	625	1 187	347	364	335
acres on which used..	138 832	1 649	12 138	6 494	10 253	12 081
Lime ----- farms..	1 339	177	411	139	131	113
acres on which used..	23 208	537	3 453	2 032	1 843	2 805
tons..	33 838	850	4 401	3 411	2 841	4 658
Sprays, dusts, granules, fumigants, etc., to control--						
Insects on hay and other crops ----- farms..	2 049	411	746	215	123	182
acres on which used..	49 252	902	5 937	4 254	3 044	5 061
Nematodes in crops ----- farms..	152	16	43	3	10	9
acres on which used..	5 212	33	231	71	123	235
Diseases in crops and orchards ----- farms..	1 093	199	372	115	89	114
acres on which used..	25 050	381	2 762	1 990	2 061	2 895
Weeds, grass, or brush in crops and pasture ----- farms..	1 690	176	450	166	132	183
acres on which used..	57 337	451	4 120	2 936	3 086	5 002
Chemicals for defoliation or for growth control of crops or thinning of fruit ----- farms..	255	27	110	31	5	31
acres on which used..	5 928	47	673	197	85	702

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>							
Pastureland and rangeland other than cropland and woodland pastured ----- farms..	75	68	57	120	49	10	4
acres..	2 330	2 562	2 225	6 558	3 765	5 998	9 903
Land in house lots, ponds, roads, wasteland, etc. ----- farms..	217	176	108	253	88	13	3
acres..	5 375	6 478	3 992	11 705	6 378	(D)	(D)
Cropland under federal acreage reduction programs:							
Annual commodity acreage adjustment programs ----- farms..	2	2	1	4	10	2	-
acres..	(D)	(D)	(D)	135	440	(D)	-
Conservation reserve program ----- farms..	2	3	1	1	-	-	1
acres..	(D)	60	(D)	(D)	-	-	(D)
Value of land and buildings <sup>1</sup> ----- farms..	364	262	133	379	113	26	5
\$1,000..	165 733	148 082	101 832	323 217	175 792	58 615	46 794
Average per farm ----- dollars..	455 310	565 198	765 654	852 815	1 555 681	2 254 423	9 358 800
Average per acre ----- dollars..	2 899	2 879	3 223	2 395	2 449	1 723	1 962
Farms by value group:							
\$1 to \$39,999 -----	8	-	-	-	-	-	-
\$40,000 to \$69,999 -----	20	-	1	-	-	-	-
\$70,000 to \$99,999 -----	1	11	2	-	-	-	-
\$100,000 to \$149,999 -----	49	38	4	10	-	-	-
\$150,000 to \$199,999 -----	29	31	-	26	8	-	-
\$200,000 to \$499,999 -----	158	84	50	129	10	-	-
\$500,000 to \$999,999 -----	54	58	38	122	49	5	-
\$1,000,000 to \$1,999,999 -----	38	35	32	48	26	9	-
\$2,000,000 to \$4,999,999 -----	7	4	4	43	18	11	2
\$5,000,000 or more -----	-	1	2	1	2	1	3
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Estimated market value of all machinery and equipment ----- farms..	357	262	133	379	113	26	5
\$1,000..	14 127	10 504	7 997	30 122	11 352	5 109	3 680
Farms by value group:							
\$1 to \$4,999 -----	15	8	-	10	-	-	-
\$5,000 to \$9,999 -----	52	33	14	25	10	-	-
\$10,000 to \$19,999 -----	61	56	23	26	9	4	-
\$20,000 to \$49,999 -----	117	85	32	112	37	4	-
\$50,000 to \$99,999 -----	85	57	35	102	15	3	-
\$100,000 to \$199,999 -----	24	19	23	80	26	7	3
\$200,000 to \$499,999 -----	2	3	6	21	15	6	1
\$500,000 or more -----	1	1	-	3	1	2	1
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Motortrucks, including pickups ----- farms..	293	227	132	371	105	25	5
number..	717	607	358	1 228	556	160	32
Wheel tractors ----- farms..	316	259	123	366	108	26	5
number..	962	789	425	1 383	735	188	22
Less than 40 horsepower (PTO) ----- farms..	243	199	79	221	83	19	4
number..	482	419	160	505	398	73	10
40 horsepower (PTO) or more ----- farms..	226	182	109	320	87	21	4
number..	480	370	265	878	337	115	12
Grain and bean combines ----- farms..	-	9	3	9	7	1	1
number..	-	10	3	9	7	(D)	(D)
Cottonpickers and strippers ----- farms..	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-
Mower conditioners ----- farms..	215	147	77	218	67	13	2
number..	263	177	82	244	91	(D)	(D)
Pickup balers ----- farms..	195	178	68	260	84	14	2
number..	211	188	74	303	99	(D)	(D)
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>							
Commercial fertilizer ----- farms..	236	224	110	298	104	23	5
acres on which used..	8 319	12 502	8 341	32 657	22 559	7 036	4 803
Lime ----- farms..	82	91	48	96	44	6	1
acres on which used..	1 325	2 266	1 608	3 056	2 598	(D)	(D)
tons..	2 108	2 848	2 371	4 304	4 701	(D)	(D)
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms..	112	72	37	99	35	14	3
acres on which used..	4 322	4 040	1 858	8 191	5 192	3 719	2 732
Nematodes in crops ----- farms..	17	11	5	25	9	3	1
acres on which used..	249	462	233	1 439	1 006	(D)	(D)
Diseases in crops and orchards ----- farms..	66	37	15	63	12	8	3
acres on which used..	2 278	2 501	583	4 150	1 435	2 367	1 647
Weeds, grass, or brush in crops and pasture ----- farms..	124	102	61	205	70	17	4
acres on which used..	4 374	4 460	3 884	12 039	9 006	5 239	2 740
Chemicals for defoliation or for growth control of crops or thinning of fruit ----- farms..	16	10	2	12	8	2	1
acres on which used..	360	669	(D)	1 139	1 108	(D)	(D)

See footnotes at end of table.

Table 51. Summary by Size of Farm: 1987—Con.

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>TENURE AND RACE OF OPERATOR</b>						
All operators .....	6 216	1 105	2 125	587	539	566
Full owners .....	4 313	905	1 611	422	345	380
Part owners .....	1 449	71	372	134	156	148
Tenants .....	454	129	142	31	38	38
White .....	6 190	1 103	2 112	582	538	564
Full owners .....	4 294	904	1 602	417	344	378
Part owners .....	1 445	71	369	134	156	148
Tenants .....	451	128	141	31	38	38
Black and other races .....	26	2	13	5	1	2
Full owners .....	19	1	9	5	1	2
Part owners .....	4	-	3	-	-	-
Tenants .....	3	1	1	-	-	-
<b>OWNED AND RENTED LAND</b>						
Land owned .....	5 764	977	1 984	556	501	528
farms .....	505 108	5 831	47 849	29 430	36 656	55 668
acres .....	5 762	976	1 983	556	501	528
Owned land in farms .....	491 079	4 200	44 420	28 588	35 420	54 012
Land rented or leased from others .....	1 922	203	521	166	196	189
farms .....	125 835	900	8 899	5 417	9 211	11 537
acres .....	1 903	200	514	165	194	186
Rented or leased land in farms .....	124 106	711	8 338	5 337	9 045	11 389
Land rented or leased to others .....	402	42	116	40	56	47
farms .....	15 758	1 820	3 990	922	1 402	1 804
acres .....						
<b>OPERATOR CHARACTERISTICS</b>						
Operators by place of residence:						
On farm operated .....	4 918	798	1 689	482	444	453
Not on farm operated .....	960	232	332	78	75	74
Not reported .....	338	75	104	27	20	39
Operators by principal occupation:						
Farming .....	3 174	476	905	263	280	322
Other .....	3 042	629	1 220	324	259	244
Operators by days of work off farm:						
None .....	2 371	377	669	201	199	237
Any .....	3 516	674	1 357	356	305	295
1 to 99 days .....	552	104	174	43	45	42
100 to 199 days .....	681	95	259	75	69	44
200 days or more .....	2 283	475	924	238	191	209
Not reported .....	329	54	99	30	35	34
Operators by years on present farm:						
2 years or less .....	249	71	91	21	23	16
3 or 4 years .....	449	135	170	36	20	35
5 to 9 years .....	1 165	247	463	110	94	91
10 years or more .....	3 421	496	1 105	326	327	335
Average years on present farm .....	18.8	14.3	17.0	19.2	20.4	20.9
Not reported .....	932	156	296	94	75	89
Operators by age group:						
Under 25 years .....	50	16	16	7	1	3
25 to 34 years .....	590	138	205	43	56	54
35 to 44 years .....	1 477	298	570	142	91	121
45 to 49 years .....	687	135	228	71	60	69
50 to 54 years .....	642	110	237	57	45	51
55 to 59 years .....	642	111	200	69	69	40
60 to 64 years .....	663	89	212	64	62	62
65 to 69 years .....	595	79	185	56	80	65
70 years and over .....	870	129	272	78	75	101
Average age .....	52.6	49.9	51.8	52.6	54.4	54.1
Operators by sex:						
Male .....	5 415	882	1 800	519	483	526
Female .....	801	223	325	68	56	40
Operators of Spanish origin (see text) .....	24	1	11	4	1	3
<b>FARMS BY TYPE OF ORGANIZATION</b>						
Individual or family (sole proprietorship) .....	5 124	920	1 833	499	457	465
farms .....	431 487	4 135	45 470	28 745	37 818	53 746
acres .....	481	63	126	40	37	48
Partnership .....	73 006	261	3 225	2 347	2 912	5 517
acres .....						
Corporation:						
Family held .....	493	108	136	38	36	41
farms .....	81 497	464	3 293	2 292	2 992	4 761
acres .....	4	-	1	-	-	-
More than 10 stockholders .....	489	108	135	38	36	41
10 or less stockholders .....						
Other than family held .....	51	9	19	5	2	6
farms .....	5 038	31	457	296	(D)	681
acres .....	6	-	-	3	-	-
More than 10 stockholders .....	45	9	19	2	2	6
10 or less stockholders .....						
Other—cooperative, estate or trust, institutional, etc. ....	67	5	11	5	7	6
farms .....	24 157	20	313	300	(D)	696
acres .....						

See footnotes at end of table.



Table 51. Summary by Size of Farm: 1987—Con.

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>TENURE AND RACE OF OPERATOR</b>							
All operators .....	324	264	163	386	126	26	5
Full owners .....	186	158	68	168	52	15	5
Part owners .....	118	92	81	200	69	8	-
Tenants .....	20	14	14	20	5	3	-
White .....	323	263	163	385	126	26	5
Full owners .....	186	157	68	166	52	15	5
Part owners .....	117	92	81	200	69	8	-
Tenants .....	20	14	14	19	5	3	-
Black and other races .....	1	1	-	1	-	-	-
Full owners .....	-	1	-	-	-	-	-
Part owners .....	1	-	-	-	-	-	-
Tenants .....	-	-	-	1	-	-	-
<b>OWNED AND RENTED LAND</b>							
Land owned .....	304	250	149	366	121	23	5
farms... acres...	41 848	42 752	29 233	102 956	61 707	(D)	(D)
Owned land in farms .....	304	250	149	366	121	23	5
farms... acres...	40 650	42 133	28 054	102 312	60 822	26 620	23 848
Land rented or leased from others .....	139	108	95	220	74	11	-
farms... acres...	10 359	10 213	10 796	31 894	19 209	7 400	-
Rented or leased land in farms .....	138	106	95	220	74	11	-
farms... acres...	9 950	10 164	10 746	31 882	19 144	7 400	-
Land rented or leased to others .....	32	19	17	20	9	3	1
farms... acres...	1 607	668	1 229	656	950	(D)	(D)
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated .....	269	222	128	312	105	14	2
Not on farm operated .....	33	33	26	51	15	8	3
Not reported .....	22	9	9	23	6	4	-
Operators by principal occupation:							
Farming .....	195	175	125	302	105	22	4
Other .....	129	89	38	84	21	4	1
Operators by days of work off farm:							
None .....	154	112	91	227	82	18	4
Any .....	147	128	66	142	38	7	1
1 to 99 days .....	35	36	18	38	13	4	-
100 to 199 days .....	35	29	22	42	8	2	1
200 days or more .....	77	63	26	62	17	1	-
Not reported .....	23	24	6	17	6	1	-
Operators by years on present farm:							
2 years or less .....	3	5	6	9	3	-	1
3 or 4 years .....	17	5	9	15	4	3	-
5 to 9 years .....	42	32	20	48	12	5	1
10 years or more .....	208	182	102	246	83	9	2
Average years on present farm .....	24.0	25.6	22.8	23.6	25.8	19.4	20.3
Not reported .....	54	40	26	68	24	9	1
Operators by age group:							
Under 25 years .....	-	2	-	3	1	1	-
25 to 34 years .....	26	8	17	33	8	1	1
35 to 44 years .....	70	53	29	70	21	10	2
45 to 49 years .....	29	16	15	42	20	2	-
50 to 54 years .....	33	31	20	35	20	3	-
55 to 59 years .....	32	30	21	50	17	2	1
60 to 64 years .....	42	43	16	61	11	1	-
65 to 69 years .....	37	27	13	35	15	2	1
70 years and over .....	55	54	32	57	13	4	-
Average age .....	54.5	57.4	55.3	54.3	53.2	50.9	47.8
Operators by sex:							
Male .....	290	246	154	362	122	26	5
Female .....	34	18	9	24	4	-	-
Operators of Spanish origin (see text) .....	1	1	1	-	1	-	-
<b>FARMS BY TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship) .....	258	208	125	280	71	8	-
farms... acres...	40 338	41 224	29 779	96 064	44 384	9 784	-
Partnership .....	34	32	21	54	23	2	1
farms... acres...	5 343	6 329	5 021	19 042	16 556	(D)	(D)
Corporation:							
Family held .....	26	21	13	38	23	10	3
farms... acres...	3 981	4 154	3 069	14 156	13 809	(D)	(D)
More than 10 stockholders .....	1	-	-	1	-	1	-
10 or less stockholders .....	25	21	13	37	23	9	3
Other than family held .....	2	-	1	6	1	-	-
farms... acres...	(D)	-	(D)	2 195	(D)	-	-
More than 10 stockholders .....	-	-	-	3	-	-	-
10 or less stockholders .....	2	-	1	3	1	-	-
Other—cooperative, estate or trust, institutional, etc. ....	4	3	3	8	8	6	1
farms... acres...	(D)	590	(D)	2 737	(D)	(D)	(D)

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>FARMS BY SIZE</b>						
1 to 9 acres .....	1 105	1 105	-	-	-	-
10 to 49 acres .....	2 125	-	2 125	-	-	-
50 to 69 acres .....	587	-	-	587	-	-
70 to 99 acres .....	539	-	-	-	539	-
100 to 139 acres .....	566	-	-	-	-	566
140 to 179 acres .....	324	-	-	-	-	-
180 to 219 acres .....	264	-	-	-	-	-
220 to 259 acres .....	163	-	-	-	-	-
260 to 499 acres .....	386	-	-	-	-	-
500 to 999 acres .....	126	-	-	-	-	-
1,000 to 1,999 acres .....	26	-	-	-	-	-
2,000 acres or more .....	5	-	-	-	-	-
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>						
Cash grains (011) .....	25	-	8	2	5	3
Field crops, except cash grains (013) .....	975	17	264	132	125	136
Cotton (0131) .....	-	-	-	-	-	-
Tobacco (0132) .....	14	-	5	-	-	3
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	17	259	132	125	133
Vegetables and melons (016) .....	678	126	300	84	67	38
Fruits and tree nuts (017) .....	956	171	381	91	66	91
Horticultural specialties (018) .....	630	348	193	28	25	10
General farms, primarily crop (019) .....	274	8	119	37	27	35
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	158	427	133	125	153
Beef cattle, except feedlots (0212) .....	585	54	164	67	72	92
Dairy farms (024) .....	556	11	41	16	43	56
Poultry and eggs (025) .....	134	34	54	13	9	7
Animal specialties (027) .....	676	223	303	43	43	30
General farms, primarily livestock and animal specialties (029) .....	79	9	35	8	4	7
<b>LIVESTOCK</b>						
Cattle and calves inventory .....	2 112	133	511	202	245	267
farms .....	83 065	1 506	5 434	2 488	4 736	6 823
number .....						
Farms with—						
1 to 9 .....	951	100	380	130	112	93
10 to 49 .....	657	28	110	63	106	135
50 to 99 .....	264	3	17	6	24	33
100 to 199 .....	169	2	2	3	3	5
200 to 499 .....	66	-	2	-	-	1
500 or more .....	5	-	-	-	-	-
Cows and heifers that had calved .....	1 757	88	408	168	210	213
farms .....	46 605	763	3 119	1 353	2 798	4 013
number .....						
Beef cows .....	1 124	64	331	136	159	146
farms .....	9 692	353	1 663	770	1 013	1 347
number .....						
Farms with—						
1 to 9 .....	869	57	302	117	133	93
10 to 49 .....	229	7	28	19	25	53
50 to 99 .....	16	-	-	-	1	-
100 to 199 .....	9	-	-	-	-	-
200 to 499 .....	1	-	1	-	-	-
500 or more .....	-	-	-	-	-	-
Milk cows .....	838	37	124	45	76	95
farms .....	36 913	410	1 456	583	1 785	2 666
number .....						
Farms with—						
1 to 4 .....	256	23	84	30	30	31
5 to 9 .....	38	3	12	1	2	9
10 to 49 .....	249	9	22	10	32	42
50 to 99 .....	193	2	3	3	12	11
100 to 199 .....	86	-	3	1	-	1
200 to 499 .....	16	-	-	-	-	-
500 or more .....	-	-	-	-	-	-
Heifers and heifer calves .....	1 356	75	271	98	156	175
farms .....	26 965	549	1 291	505	1 267	1 975
number .....						
Steers, steer calves, bulls, and bull calves .....	1 170	66	279	105	135	152
farms .....	9 495	194	1 024	630	671	835
number .....						
Cattle and calves sold .....	1 725	87	342	135	205	237
farms .....	39 688	870	2 976	1 643	2 296	3 464
number .....						
\$1,000 .....	11 297	263	983	451	642	1 060
Caives .....	1 074	50	182	82	123	122
farms .....	20 745	360	1 678	988	1 091	1 663
number .....	1 837	42	371	139	99	151
\$1,000 .....	1 514	76	277	101	182	222
farms .....	18 823	510	1 298	655	1 205	1 801
number .....	9 461	221	612	312	543	909
\$1,000 .....	352	20	108	27	40	56
Fattened on grain and concentrates .....	2 712	68	338	172	179	253
farms .....	1 588	38	182	79	68	143
number .....						
\$1,000 .....						

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>FARMS BY SIZE</b>							
1 to 9 acres	-	-	-	-	-	-	-
10 to 49 acres	-	-	-	-	-	-	-
50 to 69 acres	-	-	-	-	-	-	-
70 to 99 acres	-	-	-	-	-	-	-
100 to 139 acres	-	-	-	-	-	-	-
140 to 179 acres	324	-	-	-	-	-	-
180 to 219 acres	-	264	-	-	-	-	-
220 to 259 acres	-	-	163	-	-	-	-
260 to 499 acres	-	-	-	386	-	-	-
500 to 999 acres	-	-	-	-	126	-	-
1,000 to 1,999 acres	-	-	-	-	-	26	-
2,000 acres or more	-	-	-	-	-	-	5
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011)	1	-	-	1	3	2	-
Field crops, except cash grains (013)	74	83	35	87	19	2	1
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	2	-	2	2	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	72	83	33	85	19	2	1
Vegetables and melons (016)	21	13	10	17	1	1	-
Fruits and tree nuts (017)	39	37	13	47	11	7	2
Horticultural specialties (018)	12	4	4	3	3	-	-
General farms, primarily crop (019)	22	10	8	4	3	1	-
Livestock, except dairy, poultry, and animal specialties (021)	82	53	28	51	19	3	1
Beef cattle, except feedlots (0212)	50	34	13	32	7	-	-
Dairy farms (024)	56	51	53	160	60	9	-
Poultry and eggs (025)	6	2	4	4	1	-	-
Animal specialties (027)	7	7	6	10	4	-	-
General farms, primarily livestock and animal specialties (029)	4	4	2	2	2	1	1
<b>LIVESTOCK</b>							
Cattle and calves inventory	166 farms... 6 367 number...	143 farms... 5 864 number...	85 farms... 7 165 number...	252 farms... 23 181 number...	83 farms... 13 569 number...	14 farms... (D) number...	1 farms... (D) number...
Farms with—							
1 to 9	46	39	13	32	5	1	-
10 to 49	74	59	22	48	10	2	-
50 to 99	28	26	34	78	15	-	-
100 to 199	17	19	21	67	27	3	-
200 to 499	1	-	5	27	25	5	-
500 or more	-	-	-	-	1	3	1
Cows and heifers that had calved	142 farms... 3 586 number...	119 farms... 3 537 number...	83 farms... 4 205 number...	236 farms... 13 435 number...	77 farms... 7 605 number...	13 farms... 2 191 number...	- farms... - number...
Beef cows	84 farms... 742 number...	66 farms... 874 number...	29 farms... 530 number...	83 farms... 1 502 number...	19 farms... 807 number...	7 farms... 91 number...	- farms... - number...
Farms with—							
1 to 9	55	41	17	45	5	4	-
10 to 49	29	22	9	28	7	2	-
50 to 99	-	1	2	7	4	1	-
100 to 199	-	2	1	3	3	-	-
200 to 499	-	-	-	-	-	-	-
500 or more	-	-	-	-	-	-	-
Milk cows	75 farms... 2 844 number...	66 farms... 2 683 number...	61 farms... 3 675 number...	185 farms... 11 933 number...	63 farms... 6 798 number...	11 farms... 2 100 number...	- farms... - number...
Farms with—							
1 to 4	15	15	6	20	1	1	-
5 to 9	5	2	-	2	2	-	-
10 to 49	35	25	20	50	4	-	-
50 to 99	14	19	29	76	23	1	-
100 to 199	6	5	4	36	28	4	-
200 to 499	-	-	2	1	7	5	-
500 or more	-	-	-	-	-	-	-
Heifers and heifer calves	106 farms... 2 223 number...	97 farms... 1 862 number...	77 farms... 2 168 number...	213 farms... 8 059 number...	74 farms... 4 752 number...	13 farms... (D) number...	1 farms... (D) number...
Steers, steer calves, bulls, and bull calves	97 farms... 558 number...	80 farms... 465 number...	51 farms... 792 number...	139 farms... 1 687 number...	54 farms... 1 212 number...	11 farms... (D) number...	1 farms... (D) number...
Cattle and calves sold	153 farms... 2 889 number...	136 farms... 3 242 number...	89 farms... 3 552 number...	247 farms... 11 388 number...	80 farms... 5 302 number...	13 farms... (D) number...	1 farms... (D) number...
Calves	819 farms... 1 554 number...	959 farms... 1 567 number...	879 farms... 1 944 number...	3 324 farms... 5 756 number...	1 306 farms... 3 149 number...	10 farms... 995 number...	1 farms... - number...
Cattle	127 farms... 1 315 number...	122 farms... 1 675 number...	118 farms... 1 80 number...	385 farms... 5 632 number...	226 farms... 2 153 number...	58 farms... (D) number...	1 farms... (D) number...
Fattened on grain and concentrates	30 farms... 166 number...	27 farms... 129 number...	9 farms... 160 number...	26 farms... 722 number...	6 farms... 46 number...	2 farms... (D) number...	1 farms... (D) number...
\$1,000	100	72	89	495	25	(D)	(D)

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>LIVESTOCK—Con.</b>						
Hogs and pigs inventory..... farms..	498	66	170	50	46	69
..... number..	25 816	2 406	7 341	3 084	779	2 228
Farms with—						
1 to 24 .....	388	45	141	41	40	57
25 to 49 .....	37	11	9	-	-	2
50 to 99 .....	18	2	3	3	4	1
100 to 199 .....	23	2	11	2	1	5
200 to 499 .....	21	6	3	3	1	4
500 or more .....	11	-	3	1	-	-
Used or to be used for breeding .. farms..	211	24	69	10	21	35
..... number..	3 189	462	685	211	129	362
Other .. farms..	444	62	153	49	34	61
..... number..	22 627	1 944	6 656	2 873	650	1 866
Hogs and pigs sold .. farms..	387	45	146	39	36	48
..... number..	40 048	2 135	12 281	8 025	1 061	3 210
..... \$1,000..	4 220	186	1 591	629	127	348
Feeder pigs .. farms..	96	14	37	6	6	14
..... number..	9 091	692	1 642	3 430	202	(D)
..... \$1,000..	374	29	53	93	9	(D)
Litters of pigs farrowed between—						
Dec. 1 of preceding year and Nov. 30 .. farms..	218	24	70	12	21	36
..... number..	3 837	582	737	377	136	399
Dec. 1 and May 31 .. farms..	202	21	64	11	18	34
..... number..	1 882	281	341	188	78	202
June 1 and Nov. 30 .. farms..	165	21	56	9	16	25
..... number..	1 955	301	396	189	58	197
Sheep and lambs of all ages inventory..... farms..	604	71	237	78	53	64
..... number..	14 761	1 221	4 046	1 309	1 490	2 218
Ewes 1 year old or older .. farms..	521	57	197	67	49	55
..... number..	9 597	612	2 615	803	613	1 609
Sheep and lambs sold .. farms..	493	60	187	59	43	54
..... number..	11 548	723	2 727	847	1 666	1 726
Sheep and lambs shorn .. farms..	511	61	195	66	46	49
..... number..	13 036	1 090	3 503	1 117	1 149	1 956
..... pounds of wool..	95 098	9 203	27 629	7 614	8 083	13 352
Horses and ponies inventory..... farms..	1 608	264	638	140	140	150
..... number..	11 944	1 974	4 865	892	1 038	980
Horses and ponies sold .. farms..	421	109	167	36	32	22
..... number..	1 230	272	426	143	82	60
Goats inventory .. farms..	279	55	114	28	20	24
..... number..	2 756	1 055	895	136	94	242
Goats sold .. farms..	98	24	36	9	12	7
..... number..	1 187	335	453	113	61	42
<b>POULTRY</b>						
Chickens 3 months old or older inventory .. farms..	738	126	272	79	59	76
..... number..	1 502 202	148 355	223 588	118 191	125 771	4 966
Farms with—						
1 to 399 .....	679	111	253	73	57	75
400 to 3,199 .....	32	11	9	3	-	1
3,200 to 9,999 .....	7	-	5	1	-	-
10,000 to 19,999 .....	4	2	1	-	-	-
20,000 to 49,999 .....	7	1	3	1	1	-
50,000 to 99,999 .....	4	1	1	1	-	-
100,000 or more .....	5	-	-	-	1	-
Hens and pullets of laying age .. farms..	733	126	270	77	58	76
..... number..	1 251 356	136 990	191 283	44 747	92 514	4 099
Pullets 3 months old or older not of laying age .. farms..	95	18	33	9	13	12
..... number..	250 846	11 365	32 305	73 444	33 257	867
Hens and pullets sold .. farms..	192	36	73	14	18	19
..... number..	1 195 566	122 312	151 076	114 300	106 942	1 570
Broilers and other meat-type chickens sold .. farms..	37	5	9	8	7	5
..... number..	(D)	212	50 733	412	147	210
Farms with—						
1 to 1,999 .....	34	5	6	8	7	5
2,000 to 59,999 .....	3	-	3	-	-	-
60,000 to 99,999 .....	-	-	-	-	-	-
100,000 or more .....	-	-	-	-	-	-
Turkey hens kept for breeding .. farms..	25	11	7	1	1	3
..... number..	2 140	78	83	(D)	(D)	1 004
Turkeys sold .. farms..	86	12	41	10	9	3
..... number..	153 714	12 284	29 570	5 638	45 067	35 025

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>LIVESTOCK—Con.</b>							
Hogs and pigs inventory	23 farms 486 number	19 farms 349 number	13 farms 790 number	27 farms 2 864 number	11 farms 5 229 number	4 farms 260 number	-
Farms with—							
1 to 24	16	13	8	19	6	2	-
25 to 49	4	5	3	2	-	1	-
50 to 99	3	-	1	1	-	-	-
100 to 199	-	1	-	1	-	-	-
200 to 499	-	-	-	3	-	1	-
500 or more	-	-	1	1	5	-	-
Used or to be used for breeding	12 farms 108 number	8 farms 60 number	9 farms 126 number	14 farms 205 number	6 farms 814 number	3 farms 27 number	-
Other	20 farms 378 number	15 farms 289 number	10 farms 664 number	25 farms 2 659 number	11 farms 4 415 number	4 farms 233 number	-
Hogs and pigs sold	18 farms 938 number \$1,000	13 farms 862 number 55 \$1,000	8 farms 737 number 71 \$1,000	23 farms 4 286 number 432 \$1,000	9 farms (D) number (D) \$1,000	2 farms (D) number (D) \$1,000	-
Feeder pigs	1 farms (D) number (D) \$1,000	4 farms 676 number 32 \$1,000	12 farms 122 number 5 \$1,000	5 farms 154 number 6 \$1,000	5 farms 1 830 number 135 \$1,000	-	-
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30	14 farms 111 number	8 farms 87 number	9 farms 139 number	14 farms 304 number	7 farms 932 number	3 farms 33 number	-
Dec. 1 and May 31	14 farms 78 number	7 farms 42 number	9 farms 62 number	14 farms 132 number	7 farms (D) number	3 farms (D) number	-
June 1 and Nov. 30	7 farms 33 number	4 farms 45 number	7 farms 77 number	12 farms 172 number	6 farms (D) number	2 farms (D) number	-
Sheep and lambs of all ages inventory	18 farms 333 number	22 farms 480 number	13 farms 550 number	27 farms 673 number	17 farms 1 743 number	4 farms 698 number	-
Ewes 1 year old or older	17 farms (D) number	21 farms (D) number	12 farms (D) number	26 farms (D) number	16 farms (D) number	4 farms 489 number	-
Sheep and lambs sold	16 farms 420 number	18 farms 254 number	11 farms 286 number	26 farms 451 number	15 farms 2 045 number	4 farms 403 number	-
Sheep and lambs shorn	16 farms 359 number 1 742 pounds of wool	20 farms 425 number 3 284 pounds of wool	13 farms 417 number 3 103 pounds of wool	26 farms 611 number 4 736 pounds of wool	15 farms 1 890 number 13 352 pounds of wool	4 farms 519 number 2 800 pounds of wool	-
Horses and ponies inventory	75 farms 450 number	49 farms 444 number	39 farms 625 number	80 farms 419 number	28 farms 226 number	5 farms 31 number	-
Horses and ponies sold	10 farms 44 number	13 farms 31 number	11 farms 71 number	13 farms 35 number	7 farms (D) number	1 farm (D) number	-
Goats inventory	9 farms 24 number	9 farms 107 number	1 farm (D) number	17 farms 192 number	2 farms (D) number	-	-
Goats sold	4 farms 22 number	3 farms 25 number	-	3 farms 136 number	-	-	-
<b>POULTRY</b>							
Chickens 3 months old or older inventory	29 farms 147 002 number	35 farms 110 371 number	16 farms 71 635 number	37 farms 139 054 number	6 farms 412 972 number	3 farms 297 number	-
Farms with—							
1 to 399	25	33	15	30	4	3	-
400 to 3,199	1	1	-	5	1	-	-
3,200 to 9,999	1	-	-	-	-	-	-
10,000 to 19,999	1	-	-	1	-	-	-
20,000 to 49,999	-	-	-	-	-	-	-
50,000 to 99,999	-	-	1	-	-	-	-
100,000 or more	1	1	-	1	1	-	-
Hens and pullets of laying age	29 farms (D) number	35 farms (D) number	16 farms (D) number	37 farms 112 393 number	6 farms (D) number	3 farms (D) number	-
Pullets 3 months old or older not of laying age	1 farms (D) number	1 farms (D) number	1 farms (D) number	5 farms 26 661 number	1 farms (D) number	1 farms (D) number	-
Hens and pullets sold	4 farms 55 305 number	7 farms 72 828 number	6 farms 70 555 number	10 farms 79 656 number	3 farms (D) number	2 farms (D) number	-
Broilers and other meat-type chickens sold	1 farms (D) number	1 farms (D) number	-	1 farms (D) number	-	-	-
Farms with—							
1 to 1,999	1	1	-	1	-	-	-
2,000 to 59,999	-	-	-	-	-	-	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	-	-
Turkey hens kept for breeding	-	-	1 farms (D) number	1 farms (D) number	-	-	-
Turkeys sold	4 farms (D) number	1 farms (D) number	3 farms 20 304 number	3 farms 175 number	-	-	-

See footnotes at end of table.

**Table 51. Summary by Size of Farm: 1987—Con.**

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

Item	Total	1 to 9 acres	10 to 49 acres	50 to 69 acres	70 to 99 acres	100 to 139 acres
<b>CROPS HARVESTED</b>						
Corn for silage or green chop ----- farms...	604	9	46	36	64	56
acres...	28 643	17	433	439	1 112	1 320
tons, green...	524 819	351	6 596	6 548	18 527	20 624
Irrigated ----- farms...	6	-	-	-	-	-
acres...	89	-	-	-	-	-
Farms by acres harvested:						
1 to 24 acres -----	274	9	42	31	49	33
25 to 99 acres -----	250	-	4	5	15	23
100 to 249 acres -----	69	-	-	-	-	-
250 to 499 acres -----	9	-	-	-	-	-
500 acres or more -----	2	-	-	-	-	-
Irish potatoes ----- farms...	93	8	25	12	10	12
acres...	2 628	10	180	141	64	201
cwt...	615 427	1 308	28 586	26 415	13 111	32 628
Irrigated ----- farms...	15	1	6	-	3	-
acres...	150	(D)	7	-	11	-
Farms by acres harvested:						
0.1 to 4.9 acres -----	50	8	12	6	6	7
5.0 to 24.9 acres -----	23	-	12	4	3	2
25.0 to 99.9 acres -----	15	-	1	2	1	3
100.0 to 249.9 acres -----	3	-	-	-	-	-
250.0 acres or more -----	2	-	-	-	-	-
Hay--alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -- farms...	2 874	80	765	308	362	380
acres...	121 498	324	8 761	6 227	10 045	13 815
tons, dry...	250 559	575	13 712	9 981	17 245	24 985
Irrigated ----- farms...	24	-	10	3	2	1
acres...	339	-	49	62	(D)	(D)
Farms by acres harvested:						
1 to 24 acres -----	1 542	80	704	217	185	155
25 to 99 acres -----	1 013	-	61	91	176	208
100 to 249 acres -----	265	-	-	-	1	17
250 to 499 acres -----	48	-	-	-	-	-
500 acres or more -----	6	-	-	-	-	-
Tame hay other than alfalfa, small grain, and wild hay (see text) ----- farms...	1 699	35	376	157	210	237
acres...	60 650	159	4 044	2 995	5 216	7 508
tons, dry...	120 487	240	6 245	4 475	8 903	12 609
Irrigated ----- farms...	11	-	2	3	1	-
acres...	219	-	(D)	62	(D)	-
Vegetables harvested for sale (see text) --- farms...	1 008	162	387	117	90	77
acres...	16 325	491	3 789	2 449	1 969	1 831
Irrigated ----- farms...	312	55	111	37	25	22
acres...	4 750	132	1 073	484	468	503
Farms by acres harvested:						
0.1 to 4.9 acres -----	438	120	162	36	27	33
5.0 to 24.9 acres -----	386	42	184	42	32	25
25.0 to 99.9 acres -----	156	-	41	39	31	12
100.0 to 249.9 acres -----	26	-	-	-	-	7
250.0 acres or more -----	2	-	-	-	-	-
Sweet corn harvested for sale ----- farms...	596	66	217	84	59	50
acres...	8 444	151	1 487	1 406	955	712
Irrigated ----- farms...	163	21	55	20	14	13
acres...	2 042	38	321	180	218	180
Land in orchards ----- farms...	572	73	191	66	56	61
acres...	9 379	169	1 368	776	790	1 351
Irrigated ----- farms...	57	15	20	9	2	3
acres...	267	32	81	59	(D)	54
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres -----	269	65	91	29	20	20
5.0 to 24.9 acres -----	201	8	91	25	22	24
25.0 to 99.9 acres -----	82	-	9	12	14	12
100.0 to 249.9 acres -----	18	-	-	-	-	5
250.0 acres or more -----	2	-	-	-	-	-
Berries harvested for sale ----- farms...	890	157	350	100	69	71
acres...	13 385	298	2 003	739	687	1 192
Irrigated ----- farms...	646	116	258	65	44	46
acres...	12 499	253	1 762	644	633	1 121

See footnotes at end of table.

Table 51. Summary by Size of Farm: 1987—Con.

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

Item	140 to 179 acres	180 to 219 acres	220 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more
<b>CROPS HARVESTED</b>							
Corn for silage or green chop							
farms..	66	58	47	150	59	12	1
acres..	1 716	2 181	2 156	8 953	6 590	(D)	(D)
tons, green..	29 572	36 607	40 117	164 724	131 912	(D)	(D)
Irrigated	-	-	2	4	-	-	-
farms..	-	-	(D)	(D)	-	-	-
acres..	-	-	-	-	-	-	-
Farms by acres harvested:							
1 to 24 acres	38	22	16	28	6	-	-
25 to 99 acres	27	32	26	92	22	4	-
100 to 249 acres	1	4	5	30	24	5	-
250 to 499 acres	-	-	-	-	7	2	-
500 acres or more	-	-	-	-	-	1	1
Irish potatoes							
farms..	4	9	3	6	2	1	1
acres..	140	119	100	698	(D)	(D)	(D)
cwt..	20 080	16 499	23 180	156 600	(D)	(D)	(D)
Irrigated	1	1	2	1	-	-	-
farms..	(D)	(D)	(D)	(D)	-	-	-
acres..	-	-	-	-	-	-	-
Farms by acres harvested:							
0.1 to 4.9 acres	1	7	-	2	1	-	-
5.0 to 24.9 acres	-	-	2	-	-	-	-
25.0 to 99.9 acres	3	2	1	1	1	-	-
100.0 to 249.9 acres	-	-	-	3	-	-	-
250.0 acres or more	-	-	-	-	-	1	1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)							
farms..	214	203	128	310	106	16	2
acres..	9 098	10 867	9 801	30 544	16 566	(D)	(D)
tons, dry..	18 027	21 291	21 323	67 168	40 953	(D)	(D)
Irrigated	2	1	1	4	-	-	-
farms..	(D)	(D)	(D)	(D)	-	-	-
acres..	-	-	-	132	-	-	-
Farms by acres harvested:							
1 to 24 acres	70	50	22	48	10	1	-
25 to 99 acres	122	123	66	136	27	3	-
100 to 249 acres	22	30	39	105	45	6	-
250 to 499 acres	-	-	1	19	23	5	-
500 acres or more	-	-	-	2	1	1	2
Tame hay other than alfalfa, small grain, and wild hay (see text)							
farms..	146	140	91	230	66	10	1
acres..	5 290	5 984	5 460	15 959	6 745	(D)	(D)
tons, dry..	10 190	11 300	11 870	36 225	15 448	(D)	(D)
Irrigated	1	1	-	3	-	-	-
farms..	(D)	(D)	-	122	-	-	-
acres..	-	-	-	-	-	-	-
Vegetables harvested for sale (see text)							
farms..	55	34	23	47	11	4	1
acres..	1 650	1 019	986	1 608	428	(D)	(D)
Irrigated	20	12	13	4	4	1	-
farms..	582	347	377	710	(D)	(D)	-
acres..	-	-	-	-	-	-	-
Farms by acres harvested:							
0.1 to 4.9 acres	20	15	5	13	5	2	-
5.0 to 24.9 acres	18	10	6	22	4	1	-
25.0 to 99.9 acres	11	5	9	5	1	1	1
100.0 to 249.9 acres	6	4	3	6	-	-	-
250.0 acres or more	-	-	-	1	1	-	-
Sweet corn harvested for sale							
farms..	34	23	16	36	7	3	1
acres..	929	745	674	1 078	228	(D)	(D)
Irrigated	15	6	7	11	1	-	-
farms..	185	291	232	(D)	(D)	-	-
acres..	-	-	-	-	-	-	-
Land in orchards							
farms..	35	34	19	25	7	5	-
acres..	1 020	1 411	510	1 369	330	286	-
Irrigated	2	3	1	2	-	-	-
farms..	(D)	20	(D)	(D)	-	-	-
acres..	-	-	-	-	-	-	-
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres	10	9	7	10	5	3	-
5.0 to 24.9 acres	12	7	7	5	-	-	-
25.0 to 99.9 acres	11	14	3	6	-	1	-
100.0 to 249.9 acres	2	4	2	2	2	1	-
250.0 acres or more	-	-	-	2	-	-	-
Berries harvested for sale							
farms..	35	26	15	46	12	7	2
acres..	620	636	178	2 460	1 344	(D)	(D)
Irrigated	27	23	10	40	9	6	2
farms..	601	508	119	2 414	1 217	(D)	(D)
acres..	-	-	-	-	-	-	-

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 52. Summary by Value of Agricultural Products Sold: 1987**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>FARMS AND LAND IN FARMS</b>							
Farms.....number.....	6 216	44	97	148	475	515	138
.....percent.....	100.0	.7	1.6	2.4	7.6	8.3	2.2
Land in farms.....acres.....	615 185	28 190	54 990	42 888	94 378	75 787	15 092
Average size of farm.....acres.....	99	641	567	290	199	147	109
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales (see text).....farms.....	6 216	44	97	148	475	515	138
.....\$1,000.....	340 484	105 504	140 462	50 202	73 705	36 797	6 162
Average per farm.....dollars.....	54 772	2 397 809	1 448 064	339 205	155 168	71 450	44 656
Farms by value of sales:							
Less than \$1,000 (see text).....	1 133	-	-	-	-	-	-
\$1,000 to \$2,499.....	1 034	-	-	-	-	-	-
\$2,500 to \$4,999.....	830	-	-	-	-	-	-
\$5,000 to \$9,999.....	720	-	-	-	-	-	-
\$10,000 to \$19,999.....	581	-	-	-	-	-	-
\$20,000 to \$24,999.....	179	-	-	-	-	-	-
\$25,000 to \$39,999.....	356	-	-	-	-	-	-
\$40,000 to \$49,999.....	138	-	-	-	-	-	138
\$50,000 to \$99,999.....	515	-	-	-	-	515	-
\$100,000 to \$249,999.....	475	-	-	-	475	-	-
\$250,000 to \$499,999.....	148	-	-	148	-	-	-
\$500,000 to \$999,999.....	53	-	53	-	-	-	-
\$1,000,000 or more.....	44	44	44	-	-	-	-
Grains.....farms.....	78	1	5	6	5	7	5
.....\$1,000.....	785	(D)	140	86	181	161	31
Sales of \$50,000 or more.....farms.....	5	-	1	-	2	2	-
.....\$1,000.....	332	-	(D)	-	(D)	(D)	-
Corn for grain.....farms.....	67	1	4	5	5	5	5
.....\$1,000.....	729	(D)	(D)	(D)	(D)	(D)	(D)
Wheat.....farms.....	3	-	-	-	1	-	1
.....\$1,000.....	(D)	-	-	-	(D)	-	(D)
Soybeans.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Sorghum for grain.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Barley.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Oats.....farms.....	5	-	-	-	1	-	1
.....\$1,000.....	(D)	-	-	-	(D)	-	(D)
Other grains.....farms.....	7	-	1	1	-	2	-
.....\$1,000.....	39	-	(D)	(D)	-	(D)	-
Cotton and cottonseed.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Sales of \$50,000 or more.....farms.....	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-
Tobacco.....farms.....	21	2	4	3	6	2	2
.....\$1,000.....	4 587	(D)	2 757	(D)	(D)	(D)	(D)
Sales of \$50,000 or more.....farms.....	11	2	4	2	5	-	-
.....\$1,000.....	4 355	(D)	2 757	(D)	(D)	-	-
Hay, silage, and field seeds.....farms.....	1 569	4	8	21	66	84	30
.....\$1,000.....	7 803	28	268	289	760	1 203	462
Sales of \$50,000 or more.....farms.....	18	-	2	2	4	10	-
.....\$1,000.....	1 250	-	(D)	(D)	299	608	-
Vegetables, sweet corn, and melons.....farms.....	1 007	2	11	21	105	124	40
.....\$1,000.....	25 179	(D)	1 881	3 087	7 724	5 117	1 224
Sales of \$50,000 or more.....farms.....	138	1	6	12	58	62	-
.....\$1,000.....	15 627	(D)	1 752	2 935	6 942	3 998	-
Fruits, nuts, and berries.....farms.....	1 186	13	33	45	152	155	48
.....\$1,000.....	92 349	32 757	45 020	12 384	18 877	8 344	1 654
Sales of \$50,000 or more.....farms.....	305	13	31	39	124	111	-
.....\$1,000.....	83 747	32 757	(D)	(D)	18 485	7 983	-
Nursery and greenhouse crops.....farms.....	824	19	39	30	116	100	28
.....\$1,000.....	80 887	37 426	48 144	8 864	12 781	4 972	965
Sales of \$50,000 or more.....farms.....	212	19	38	27	81	66	-
.....\$1,000.....	73 509	37 426	(D)	(D)	12 132	4 412	-
Other crops.....farms.....	114	1	4	3	14	17	7
.....\$1,000.....	4 285	(D)	2 548	521	318	456	74
Sales of \$50,000 or more.....farms.....	12	1	3	2	2	5	-
.....\$1,000.....	3 520	(D)	(D)	(D)	(D)	333	-
Poultry and poultry products.....farms.....	498	8	10	14	19	38	11
.....\$1,000.....	23 149	14 933	15 936	4 090	996	1 205	76
Sales of \$50,000 or more.....farms.....	44	8	10	13	6	15	-
.....\$1,000.....	22 016	14 933	15 936	(D)	(D)	1 048	-
Dairy products.....farms.....	809	-	11	57	196	179	29
.....\$1,000.....	63 309	-	5 302	16 455	26 863	11 513	1 029
Sales of \$50,000 or more.....farms.....	409	-	11	57	194	147	-
.....\$1,000.....	58 989	-	5 302	16 455	(D)	(D)	-
Cattle and calves.....farms.....	1 725	1	14	57	206	216	38
.....\$1,000.....	11 297	(D)	815	1 820	3 207	2 141	259
Sales of \$50,000 or more.....farms.....	25	-	4	6	5	10	-
.....\$1,000.....	2 563	-	574	482	846	662	-

See footnotes at end of table.



**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>FARMS AND LAND IN FARMS</b>						
Farms..... number.....	356	179	591	720	830	2 167
..... percent.....	5.7	2.9	9.5	11.6	13.4	34.9
Land in farms..... acres.....	31 366	15 471	51 926	52 531	59 847	120 909
..... Average size of farm..... acres.....	88	86	88	73	72	56
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>						
Total sales (see text)..... farms.....	356	179	591	720	830	2 167
..... \$1,000.....	11 233	3 941	8 193	4 961	2 911	1 896
..... Average per farm..... dollars.....	31 554	22 019	13 863	6 891	3 507	875
Farms by value of sales:						
Less than \$1,000 (see text).....	-	-	-	-	-	1 133
\$1,000 to \$2,499.....	-	-	-	-	-	1 034
\$2,500 to \$4,999.....	-	-	-	-	830	-
\$5,000 to \$9,999.....	-	-	-	720	-	-
\$10,000 to \$19,999.....	-	-	591	-	-	-
\$20,000 to \$24,999.....	-	179	-	-	-	-
\$25,000 to \$39,999.....	356	-	-	-	-	-
\$40,000 to \$49,999.....	-	-	-	-	-	-
\$50,000 to \$99,999.....	-	-	-	-	-	-
\$100,000 to \$249,999.....	-	-	-	-	-	-
\$250,000 to \$499,999.....	-	-	-	-	-	-
\$500,000 to \$999,999.....	-	-	-	-	-	-
\$1,000,000 or more.....	-	-	-	-	-	-
Grains..... farms.....	7	3	14	12	7	7
..... \$1,000.....	(D)	21	(D)	35	13	5
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Corn for grain..... farms.....	6	2	14	11	6	4
..... \$1,000.....	28	(D)	(D)	(D)	(D)	2
Wheat..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	(D)	-	-
Soybeans..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Sorghum for grain..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Barley..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Oats..... farms.....	-	-	-	-	1	2
..... \$1,000.....	-	-	-	-	(D)	(D)
Other grains..... farms.....	1	1	-	-	-	1
..... \$1,000.....	(D)	(D)	-	-	-	(D)
Cotton and cottonseed..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Tobacco..... farms.....	-	-	4	-	-	-
..... \$1,000.....	-	-	(D)	-	-	-
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Hay, silage, and field seeds..... farms.....	74	46	162	263	312	503
..... \$1,000.....	903	475	1 162	1 009	788	483
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Vegetables, sweet corn, and melons..... farms.....	105	52	164	165	112	108
..... \$1,000.....	2 331	841	1 696	868	304	105
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Fruits, nuts, and berries..... farms.....	103	35	159	151	139	166
..... \$1,000.....	2 255	717	1 770	781	372	175
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Nursery and greenhouse crops..... farms.....	93	28	127	104	76	83
..... \$1,000.....	2 379	510	1 374	554	218	107
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Other crops..... farms.....	11	9	16	11	12	10
..... \$1,000.....	186	60	56	33	22	11
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Poultry and poultry products..... farms.....	24	22	56	59	82	163
..... \$1,000.....	239	215	204	85	64	51
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Dairy products..... farms.....	58	16	27	15	8	13
..... \$1,000.....	1 548	253	267	63	10	6
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-
Cattle and calves..... farms.....	93	40	140	205	254	462
..... \$1,000.....	587	290	673	663	574	469
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-

See footnotes at end of table.

Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>							
Total sales (see text)—Con.							
Hogs and pigs ----- farms...	387	1	4	7	12	23	8
\$1,000...	4 220	(D)	924	999	465	536	107
Sales of \$50,000 or more ----- farms...	15	-	2	3	4	6	-
\$1,000...	2 705	-	(D)	(D)	453	394	-
Sheep, lambs, and wool ----- farms...	563	-	-	2	11	20	4
\$1,000...	884	-	-	(D)	(D)	(D)	(D)
Sales of \$50,000 or more ----- farms...	1	-	-	1	-	-	-
\$1,000...	(D)	-	-	(D)	-	-	-
Other livestock and livestock products (see text) ----- farms...	722	3	5	4	17	32	13
\$1,000...	21 749	16 326	16 727	725	766	1 045	188
Sales of \$50,000 or more ----- farms...	25	2	3	3	5	14	-
\$1,000...	19 082	(D)	(D)	(D)	705	927	-
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
Total farm production expenses ----- farms...	6 216	44	97	148	426	525	145
\$1,000...	251 496	72 244	97 718	36 181	44 019	25 952	5 436
Average per farm ----- dollars...	40 460	1 641 912	1 007 407	244 467	103 330	49 433	37 490
Livestock and poultry purchased ----- farms...	1 559	10	20	47	116	147	26
\$1,000...	11 441	3 610	4 273	1 603	1 986	944	262
Farms with expenses of—							
\$1 to \$4,999 -----	1 238	-	1	8	43	86	14
\$5,000 to \$24,999 -----	242	-	3	13	54	58	12
\$25,000 to \$99,999 -----	64	2	6	23	17	3	-
\$100,000 or more -----	15	8	10	3	2	-	-
Feed for livestock and poultry ----- farms...	2 893	10	25	74	191	221	38
\$1,000...	33 525	8 181	10 327	6 782	7 508	3 362	298
Farms with expenses of—							
\$1 to \$4,999 -----	2 130	-	1	-	5	36	19
\$5,000 to \$24,999 -----	448	-	-	3	38	142	19
\$25,000 to \$99,999 -----	271	-	4	49	147	43	-
\$100,000 or more -----	44	10	20	22	1	-	-
Commercially mixed formula feeds ----- farms...	1 552	10	25	73	188	197	22
\$1,000...	26 256	8 106	9 926	5 754	6 175	2 640	219
Farms with expenses of—							
\$1 to \$4,999 -----	992	-	1	-	7	33	4
\$5,000 to \$24,999 -----	322	-	2	4	59	140	18
\$25,000 to \$79,999 -----	192	1	4	42	121	24	-
\$80,000 or more -----	46	9	18	27	1	-	-
Seeds, bulbs, plants, and trees ----- farms...	2 429	20	55	91	298	332	100
\$1,000...	6 227	1 557	2 833	706	1 066	725	179
Farms with expenses of—							
\$1 to \$999 -----	1 651	-	4	10	96	113	51
\$1,000 to \$4,999 -----	618	2	12	52	153	192	43
\$5,000 to \$24,999 -----	121	3	16	23	40	26	6
\$25,000 or more -----	39	15	23	6	9	1	-
Commercial fertilizer ----- farms...	3 858	33	80	124	400	425	112
\$1,000...	8 953	1 489	2 345	1 288	2 048	1 208	278
Farms with expenses of—							
\$1 to \$4,999 -----	3 420	7	17	43	237	339	90
\$5,000 to \$24,999 -----	398	11	36	72	159	86	22
\$25,000 to \$49,999 -----	28	7	17	8	3	-	-
\$50,000 or more -----	12	8	10	1	1	-	-
Agricultural chemicals ----- farms...	3 027	33	82	121	391	442	113
\$1,000...	7 319	1 640	2 539	1 034	1 593	1 011	265
Farms with expenses of—							
\$1 to \$4,999 -----	2 719	7	24	63	278	390	95
\$5,000 to \$24,999 -----	264	7	25	49	111	52	18
\$25,000 to \$49,999 -----	29	10	18	9	2	-	-
\$50,000 or more -----	15	9	15	-	-	-	-
Petroleum products ----- farms...	5 859	44	97	145	422	517	145
\$1,000...	12 042	2 519	3 493	1 413	2 076	1 658	392
Farms with expenses of—							
\$1 to \$4,999 -----	5 438	3	10	48	296	437	122
\$5,000 to \$24,999 -----	369	15	49	86	123	80	23
\$25,000 to \$49,999 -----	32	9	19	10	3	-	-
\$50,000 or more -----	20	17	19	1	-	-	-
Gasoline and gasohol ----- farms...	5 243	40	90	136	401	451	133
\$1,000...	5 325	732	1 061	557	860	732	242
Diesel fuel ----- farms...	2 743	36	76	109	329	316	77
\$1,000...	2 585	387	649	354	620	289	62
Natural gas ----- farms...	175	12	21	21	30	21	7
\$1,000...	841	351	501	95	113	50	35
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms...	3 773	44	95	141	419	494	129
\$1,000...	3 291	1 070	1 263	408	483	587	53

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>						
Total sales (see text)—Con.						
Hogs and pigs ----- farms..	18	17	54	65	58	121
\$1,000..	183	228	377	223	85	92
Sales of \$50,000 or more ----- farms..	-	-	-	-	-	-
\$1,000..	-	-	-	-	-	-
Sheep, lambs, and wool ----- farms..	11	9	45	75	108	278
\$1,000..	(D)	61	104	166	127	154
Sales of \$50,000 or more ----- farms..	-	-	-	-	-	-
\$1,000..	-	-	-	-	-	-
Other livestock and livestock products (see text) ----- farms..	31	18	56	116	154	276
\$1,000..	583	289	391	483	333	241
Sales of \$50,000 or more ----- farms..	-	-	-	-	-	-
\$1,000..	-	-	-	-	-	-
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>						
Total farm production expenses ----- farms..	392	171	586	753	797	2 176
\$1,000..	7 797	2 282	7 214	5 550	5 380	13 977
Average per farm ----- dollars..	19 890	13 401	12 310	7 370	6 725	6 423
Livestock and poultry purchased ----- farms..	69	19	174	175	168	598
\$1,000..	328	51	617	392	230	754
Farms with expenses of—						
\$1 to \$4,999 -----	60	15	133	147	160	571
\$5,000 to \$24,999 -----	8	4	40	27	8	15
\$25,000 to \$99,999 -----	1	-	1	1	-	12
\$100,000 or more -----	-	-	-	-	-	-
Feed for livestock and poultry ----- farms..	114	45	222	285	372	1 306
\$1,000..	723	111	638	528	446	2 800
Farms with expenses of—						
\$1 to \$4,999 -----	48	41	158	271	362	1 189
\$5,000 to \$24,999 -----	65	4	64	13	10	90
\$25,000 to \$99,999 -----	1	-	-	-	-	27
\$100,000 or more -----	-	-	-	1	-	-
Commercially mixed formula feeds ----- farms..	110	25	116	95	169	532
\$1,000..	554	80	203	79	174	452
Farms with expenses of—						
\$1 to \$4,999 -----	50	22	100	93	164	518
\$5,000 to \$24,999 -----	59	3	16	2	5	14
\$25,000 to \$79,999 -----	1	-	-	-	-	-
\$80,000 or more -----	-	-	-	-	-	-
Seeds, bulbs, plants, and trees ----- farms..	231	109	259	304	215	435
\$1,000..	253	82	155	97	42	89
Farms with expenses of—						
\$1 to \$999 -----	153	89	200	285	215	435
\$1,000 to \$4,999 -----	69	20	58	19	-	-
\$5,000 to \$24,999 -----	9	-	1	-	-	-
\$25,000 or more -----	-	-	-	-	-	-
Commercial fertilizer ----- farms..	323	151	432	512	407	892
\$1,000..	495	172	331	321	199	268
Farms with expenses of—						
\$1 to \$4,999 -----	319	149	429	498	407	892
\$5,000 to \$24,999 -----	4	2	3	14	-	-
\$25,000 to \$49,999 -----	-	-	-	-	-	-
\$50,000 or more -----	-	-	-	-	-	-
Agricultural chemicals ----- farms..	250	134	365	358	242	529
\$1,000..	217	101	230	158	60	111
Farms with expenses of—						
\$1 to \$4,999 -----	250	133	364	351	242	529
\$5,000 to \$24,999 -----	-	1	1	7	-	-
\$25,000 to \$49,999 -----	-	-	-	-	-	-
\$50,000 or more -----	-	-	-	-	-	-
Petroleum products ----- farms..	396	188	549	726	775	1 929
\$1,000..	646	218	508	472	458	707
Farms with expenses of—						
\$1 to \$4,999 -----	381	168	548	726	775	1 927
\$5,000 to \$24,999 -----	5	-	1	-	-	2
\$25,000 to \$49,999 -----	-	-	-	-	-	-
\$50,000 or more -----	-	-	-	-	-	-
Gasoline and gasohol ----- farms..	352	148	511	580	642	1 799
\$1,000..	368	113	338	280	282	472
Diesel fuel ----- farms..	228	107	219	363	347	578
\$1,000..	115	48	94	113	109	132
Natural gas ----- farms..	9	1	2	9	12	42
\$1,000..	29	(D)	(D)	4	5	7
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms..	318	140	353	437	345	902
\$1,000..	134	(D)	(D)	75	62	96

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>							
—Con.							
Total farm production expenses—Con.							
Electricity ----- farms..	4 286	42	95	145	405	486	111
----- \$1,000..	5 959	1 479	1 918	775	1 234	869	105
Farms with expenses of—							
\$1 to \$999 .....	3 151	2	6	12	57	190	65
\$1,000 to \$4,999 .....	895	6	23	70	269	264	46
\$5,000 to \$24,999 .....	225	20	51	63	79	32	—
\$25,000 or more .....	15	14	15	—	—	—	—
Hired farm labor ----- farms..	2 185	44	96	140	378	346	113
----- \$1,000..	66 579	28 775	37 315	9 335	10 198	5 348	1 177
Farms with expenses of—							
\$1 to \$4,999 .....	1 095	—	—	1	24	95	33
\$5,000 to \$24,999 .....	617	1	8	22	196	178	65
\$25,000 to \$99,999 .....	362	3	16	84	153	73	15
\$100,000 or more .....	111	40	72	33	5	—	—
Contract labor ----- farms..	1 025	20	42	59	150	173	26
----- \$1,000..	7 906	1 588	2 909	1 665	1 384	897	104
Farms with expenses of—							
\$1 to \$999 .....	408	—	1	9	9	29	1
\$1,000 to \$4,999 .....	332	3	8	14	51	68	16
\$5,000 to \$24,999 .....	231	6	11	15	81	74	9
\$25,000 or more .....	54	11	22	21	9	2	—
Repair and maintenance ----- farms..	5 222	44	94	141	407	495	134
----- \$1,000..	16 873	2 488	3 747	2 071	3 000	2 347	424
Farms with expenses of—							
\$1 to \$4,999 .....	4 353	4	9	20	168	295	102
\$5,000 to \$24,999 .....	785	10	40	100	232	197	32
\$25,000 to \$49,999 .....	55	14	20	17	7	3	—
\$50,000 or more .....	29	16	25	4	—	—	—
Customwork, machine hire, and rental of machinery and equipment ----- farms..	1 276	21	42	63	179	139	25
----- \$1,000..	3 570	1 159	1 497	541	639	311	47
Farms with expenses of—							
\$1 to \$999 .....	781	2	3	5	48	61	3
\$1,000 to \$4,999 .....	362	3	7	32	86	56	22
\$5,000 to \$24,999 .....	115	9	21	21	43	22	—
\$25,000 or more .....	18	7	11	5	2	—	—
Interest expense ----- farms..	1 981	33	79	117	265	301	72
----- \$1,000..	13 788	2 989	4 674	2 004	2 146	1 620	455
Farms with expenses of—							
\$1 to \$4,999 .....	1 395	4	11	32	134	205	18
\$5,000 to \$24,999 .....	485	6	20	57	114	90	54
\$25,000 to \$99,999 .....	88	13	35	28	17	6	—
\$100,000 or more .....	13	10	13	—	—	—	—
Secured by real estate ----- farms..	1 410	25	58	95	196	218	57
----- \$1,000..	10 563	2 166	3 354	1 534	1 661	1 376	342
Farms with expenses of—							
\$1 to \$999 .....	281	1	1	6	27	41	10
\$1,000 to \$4,999 .....	659	2	5	26	65	90	11
\$5,000 to \$24,999 .....	391	5	13	42	91	83	36
\$25,000 or more .....	79	17	39	21	13	4	—
Not secured by real estate ----- farms..	950	20	50	60	116	142	40
----- \$1,000..	3 225	823	1 320	470	484	244	113
Farms with expenses of—							
\$1 to \$999 .....	440	1	1	8	19	75	10
\$1,000 to \$4,999 .....	375	1	6	22	62	55	20
\$5,000 to \$24,999 .....	112	7	26	26	33	12	10
\$25,000 or more .....	23	11	17	4	2	—	—
Cash rent ----- farms..	1 092	14	38	78	201	184	59
----- \$1,000..	3 848	441	868	753	805	655	157
Farms with expenses of—							
\$1 to \$4,999 .....	918	3	11	41	151	145	49
\$5,000 to \$9,999 .....	86	2	5	11	34	18	10
\$10,000 to \$24,999 .....	65	3	9	21	14	21	—
\$25,000 or more .....	23	6	13	5	2	—	—
Property taxes ----- farms..	5 817	40	84	139	409	477	140
----- \$1,000..	15 219	1 708	2 219	1 061	1 911	1 470	362
Farms with expenses of—							
\$1 to \$4,999 .....	5 240	8	19	57	256	413	119
\$5,000 to \$9,999 .....	397	2	17	54	114	50	21
\$10,000 to \$24,999 .....	150	12	26	24	38	12	—
\$25,000 or more .....	30	18	22	4	1	2	—
All other farm production expenses ----- farms..	5 700	44	97	148	426	525	145
----- \$1,000..	38 248	12 619	16 762	5 150	6 426	3 526	931
Farms with expenses of—							
\$1 to \$4,999 .....	4 694	1	1	19	121	273	81
\$5,000 to \$24,999 .....	744	6	18	56	214	242	64
\$25,000 to \$49,999 .....	143	3	15	34	74	10	—
\$50,000 or more .....	119	34	63	39	17	—	—

See footnotes at end of table.

Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>						
—Con.						
Total farm production expenses—Con.						
Electricity..... farms..	336	126	356	511	458	1 257
..... \$1,000..	272	63	184	150	99	311
Farms with expenses of—						
\$1 to \$999.....	254	118	300	498	454	1 197
\$1,000 to \$4,999.....	82	8	56	13	4	60
\$5,000 to \$24,999.....	-	-	-	-	-	-
\$25,000 or more.....	-	-	-	-	-	-
Hired farm labor..... farms..	171	64	210	175	176	316
..... \$1,000..	1 220	236	687	174	411	477
Farms with expenses of—						
\$1 to \$4,999.....	95	46	165	168	162	306
\$5,000 to \$24,999.....	66	18	45	7	3	9
\$25,000 to \$99,999.....	10	-	-	-	11	-
\$100,000 or more.....	-	-	-	-	-	1
Contract labor..... farms..	69	16	132	73	87	198
..... \$1,000..	206	63	170	77	61	372
Farms with expenses of—						
\$1 to \$999.....	33	1	74	41	65	145
\$1,000 to \$4,999.....	17	11	58	32	22	35
\$5,000 to \$24,999.....	19	4	-	-	-	18
\$25,000 or more.....	-	-	-	-	-	-
Repair and maintenance..... farms..	356	148	487	578	647	1 735
..... \$1,000..	667	371	1 084	763	639	1 759
Farms with expenses of—						
\$1 to \$4,999.....	335	128	447	548	633	1 668
\$5,000 to \$24,999.....	21	20	34	28	14	67
\$25,000 to \$49,999.....	-	-	6	2	-	-
\$50,000 or more.....	-	-	-	-	-	-
Customwork, machine hire, and rental of machinery and equipment..... farms..	58	34	154	146	132	304
..... \$1,000..	74	32	140	72	78	138
Farms with expenses of—						
\$1 to \$999.....	31	23	121	120	107	259
\$1,000 to \$4,999.....	25	11	27	26	25	45
\$5,000 to \$24,999.....	2	-	6	-	-	-
\$25,000 or more.....	-	-	-	-	-	-
Interest expense..... farms..	163	41	168	116	185	474
..... \$1,000..	603	104	424	183	408	1 168
Farms with expenses of—						
\$1 to \$4,999.....	127	30	141	115	156	426
\$5,000 to \$24,999.....	34	11	27	1	29	48
\$25,000 to \$99,999.....	2	-	-	-	-	-
\$100,000 or more.....	-	-	-	-	-	-
Secured by real estate..... farms..	134	24	120	89	71	348
..... \$1,000..	503	90	279	166	281	976
Farms with expenses of—						
\$1 to \$999.....	34	-	25	31	19	87
\$1,000 to \$4,999.....	66	14	77	57	23	225
\$5,000 to \$24,999.....	32	10	18	1	29	36
\$25,000 or more.....	2	-	-	-	-	-
Not secured by real estate..... farms..	54	19	79	35	116	239
..... \$1,000..	99	14	145	17	127	192
Farms with expenses of—						
\$1 to \$999.....	27	17	16	33	68	166
\$1,000 to \$4,999.....	23	2	62	2	48	73
\$5,000 to \$24,999.....	4	-	1	-	-	-
\$25,000 or more.....	-	-	-	-	-	-
Cash rent..... farms..	86	23	78	110	99	136
..... \$1,000..	69	12	82	66	236	146
Farms with expenses of—						
\$1 to \$4,999.....	84	23	78	110	96	130
\$5,000 to \$9,999.....	2	-	-	-	-	6
\$10,000 to \$24,999.....	-	-	-	-	3	-
\$25,000 or more.....	-	-	-	-	-	-
Property taxes..... farms..	365	162	528	709	744	2 060
..... \$1,000..	864	365	1 064	1 385	1 309	3 208
Farms with expenses of—						
\$1 to \$4,999.....	332	154	499	682	722	1 987
\$5,000 to \$9,999.....	23	8	28	15	21	46
\$10,000 to \$24,999.....	10	-	1	11	1	27
\$25,000 or more.....	-	-	-	1	-	-
All other farm production expenses..... farms..	391	171	586	709	685	1 817
..... \$1,000..	1 161	309	918	712	684	1 669
Farms with expenses of—						
\$1 to \$4,999.....	319	157	561	701	685	1 776
\$5,000 to \$24,999.....	72	14	25	8	-	31
\$25,000 to \$49,999.....	-	-	-	-	-	10
\$50,000 or more.....	-	-	-	-	-	-

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>							
All farms..... number.....	6 216	44	97	148	426	525	145
..... \$1,000.....	84 172	33 259	42 744	14 021	22 089	11 925	1 220
Average per farm..... dollars.....	13 541	755 897	440 857	94 738	51 851	22 714	8 413
Farms with net gains <sup>2</sup> ..... number.....	3 017	44	93	137	400	447	111
Average net gain..... dollars.....	35 387	755 897	460 878	104 639	57 964	29 278	15 433
Gain of—							
Less than \$1,000.....	374	-	-	1	-	3	1
\$1,000 to \$9,999.....	1 131	-	-	4	30	49	23
\$10,000 to \$49,999.....	1 077	2	10	30	166	349	87
\$50,000 or more.....	435	42	83	102	204	46	-
Farms with net losses..... number.....	3 199	-	4	11	26	78	34
Average net loss..... dollars.....	7 062	-	29 472	28 575	42 195	14 904	14 503
Loss of—							
Less than \$1,000.....	463	-	-	-	1	3	-
\$1,000 to \$9,999.....	2 195	-	-	2	8	25	18
\$10,000 to \$49,999.....	490	-	3	8	12	47	16
\$50,000 or more.....	51	-	1	1	5	3	-
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>							
Government payments..... farms.....	400	-	9	28	68	65	12
..... \$1,000.....	2 213	-	77	873	412	480	37
Other farm-related income <sup>1</sup> ..... farms.....	1 361	8	13	37	92	103	13
..... \$1,000.....	5 802	254	339	246	682	870	22
Customwork and other agricultural services..... farms.....	449	1	3	8	19	44	3
..... \$1,000.....	2 163	(D)	50	55	127	492	10
Gross cash rent or share payments..... farms.....	300	1	1	6	8	17	8
..... \$1,000.....	477	(D)	(D)	(D)	5	14	2
Forest products and Christmas trees..... farms.....	570	4	7	12	33	21	1
..... \$1,000.....	1 780	84	(D)	(D)	378	154	(D)
Other farm-related income sources..... farms.....	368	2	3	20	58	47	2
..... \$1,000.....	1 382	(D)	179	96	172	210	(D)
<b>COMMODITY CREDIT CORPORATION LOANS</b>							
Total..... farms.....	8	-	1	-	2	2	-
..... \$1,000.....	159	-	(D)	-	(D)	(D)	-
Corn..... farms.....	5	-	1	-	2	1	-
..... \$1,000.....	(D)	-	(D)	-	(D)	(D)	-
Wheat..... farms.....	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-
Soybeans..... farms.....	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-
Sorghum, barley, and oats..... farms.....	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-
Cotton..... farms.....	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey..... farms.....	3	-	-	-	-	1	-
..... \$1,000.....	(D)	-	-	-	-	(D)	-
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland..... farms.....	5 654	37	88	138	468	491	132
..... acres.....	272 588	8 033	24 122	26 167	53 049	37 538	8 697
Harvested cropland..... farms.....	5 084	37	88	132	457	471	130
..... acres.....	194 874	6 630	17 367	22 731	42 780	27 432	6 348
Farms by acres harvested:							
1 to 49 acres.....	4 028	16	29	37	208	264	89
50 to 99 acres.....	544	3	11	20	82	127	27
100 to 199 acres.....	336	6	16	28	113	56	15
200 to 499 acres.....	153	8	21	39	50	24	5
500 to 999 acres.....	21	3	10	8	3	-	-
1,000 to 1,999 acres.....	1	1	1	-	-	-	-
2,000 acres or more.....	1	-	-	-	1	-	-
Cropland:							
Pasture or grazing only..... farms.....	2 164	2	16	42	138	166	41
..... acres.....	52 884	(D)	1 913	2 273	7 319	6 793	1 687
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured..... farms.....	362	3	9	15	39	26	19
..... acres.....	6 986	216	1 917	660	902	589	212
On which all crops failed..... farms.....	208	-	2	2	21	28	8
..... acres.....	1 531	-	(D)	(D)	267	218	(D)
In cultivated summer fallow..... farms.....	73	1	1	2	9	7	2
..... acres.....	946	(D)	(D)	(D)	187	100	(D)
Idle..... farms.....	857	7	14	24	79	90	31
..... acres.....	15 367	666	2 885	466	1 594	2 406	350
Total woodland..... farms.....	3 382	17	45	88	273	279	77
..... acres.....	225 442	3 925	10 806	11 318	28 645	28 374	4 521
Woodland pastured..... farms.....	1 049	2	8	29	91	92	26
..... acres.....	35 745	(D)	505	1 422	6 019	4 508	762
Woodland not pastured..... farms.....	2 933	16	42	81	233	243	66
..... acres.....	189 697	(D)	10 301	9 896	22 626	23 866	3 759

See footnotes at end of table.

Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>						
All farms.....	392	171	586	753	797	2 176
number.....						
\$1,000.....	4 659	1 451	1 022	-294	-2 472	-12 193
Average per farm.....	11 886	8 487	1 744	-390	-3 102	-5 603
dollars.....						
Farms with net gains <sup>2</sup> .....	340	151	405	486	334	113
number.....						
Average net gain.....	16 315	10 844	6 389	2 704	1 290	540
dollars.....						
Gain of—						
Less than \$1,000.....	-	-	19	77	170	103
\$1,000 to \$9,999.....	72	62	308	409	164	10
\$10,000 to \$49,999.....	268	89	78	-	-	-
\$50,000 or more.....	-	-	-	-	-	-
Farms with net losses.....	52	20	181	267	463	2 063
number.....						
Average net loss.....	17 076	9 301	8 651	6 023	6 271	5 940
dollars.....						
Loss of—						
Less than \$1,000.....	2	7	26	72	53	299
\$1,000 to \$9,999.....	24	5	103	160	333	1 517
\$10,000 to \$49,999.....	18	8	52	33	74	219
\$50,000 or more.....	8	-	-	2	3	28
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>						
Government payments.....	20	10	32	49	38	69
farms.....						
\$1,000.....	101	46	40	58	30	60
Other farm-related income <sup>1</sup> .....	117	59	136	164	138	489
farms.....						
\$1,000.....	580	126	704	627	273	1 332
Customwork and other agricultural services.....						
farms.....	43	12	54	60	47	156
\$1,000.....	255	40	314	135	108	577
Gross cash rent or share payments.....	43	9	30	39	47	92
farms.....						
\$1,000.....	93	5	81	155	34	75
Forest products and Christmas trees.....	50	29	34	56	64	263
farms.....						
\$1,000.....	(D)	70	141	144	42	480
Other farm-related income sources.....	37	12	29	49	34	77
farms.....						
\$1,000.....	(D)	11	168	192	89	200
<b>COMMODITY CREDIT CORPORATION LOANS</b>						
Total.....	1	-	-	-	-	2
farms.....						
\$1,000.....	(D)	-	-	-	-	(D)
Corn.....	1	-	-	-	-	-
farms.....						
\$1,000.....	(D)	-	-	-	-	-
Wheat.....	-	-	-	-	-	-
farms.....						
\$1,000.....	-	-	-	-	-	-
Soybeans.....	-	-	-	-	-	-
farms.....						
\$1,000.....	-	-	-	-	-	-
Sorghum, barley, and oats.....	-	-	-	-	-	-
farms.....						
\$1,000.....	-	-	-	-	-	-
Cotton.....	-	-	-	-	-	-
farms.....						
\$1,000.....	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey.....	-	-	-	-	-	2
farms.....						
\$1,000.....	-	-	-	-	-	(D)
<b>LAND IN FARMS ACCORDING TO USE</b>						
Total cropland.....	337	165	567	659	745	1 864
farms.....						
acres.....	15 396	7 032	22 869	19 175	20 556	37 987
Harvested cropland.....	329	149	541	617	677	1 493
farms.....						
acres.....	11 990	5 212	14 735	13 040	13 116	20 123
Farms by acres harvested:						
1 to 49 acres.....	245	118	436	539	619	1 450
50 to 99 acres.....	46	13	72	64	49	33
100 to 199 acres.....	31	14	32	14	8	9
200 to 499 acres.....	7	4	1	-	1	1
500 to 999 acres.....	-	-	-	-	-	-
1,000 to 1,999 acres.....	-	-	-	-	-	-
2,000 acres or more.....	-	-	-	-	-	-
Cropland:						
Pasture or grazing only.....	95	48	165	219	301	933
farms.....						
acres.....	2 735	1 406	6 012	4 265	5 472	13 009
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....						
farms.....	18	10	41	47	39	99
acres.....	185	211	467	531	476	836
On which all crops failed.....						
farms.....	10	3	29	26	22	57
acres.....	26	16	203	117	144	413
In cultivated summer fallow.....						
farms.....	6	-	4	16	10	16
acres.....	43	-	31	235	37	263
Idle.....						
farms.....	44	21	114	80	98	262
acres.....	417	187	1 421	987	1 311	3 343
Total woodland.....	175	96	294	385	478	1 192
farms.....						
acres.....	11 147	6 273	18 893	21 531	26 477	57 457
Woodland pastured.....	44	24	90	128	147	370
farms.....						
acres.....	1 713	940	3 286	4 119	4 357	8 114
Woodland not pastured.....	158	85	256	342	412	1 015
farms.....						
acres.....	9 434	5 333	15 607	17 412	22 120	49 343

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>							
Pastureland and rangeland other than cropland and woodland pastured	farms-- 1 269	6	17	22	78	91	23
	acres-- 44 998	9 303	10 435	2 287	4 482	3 632	423
Land in house lots, ponds, roads, wasteland, etc.	farms-- 4 123	34	73	110	318	346	90
	acres-- 72 157	6 929	9 627	3 116	8 202	6 243	1 451
Cropland under federal acreage reduction programs:							
Annual commodity acreage adjustment programs	farms-- 23	-	3	4	5	4	1
	acres-- 829	-	140	138	282	150	(D)
Conservation reserve program	farms-- 19	-	1	-	1	1	-
	acres-- 677	-	(D)	-	(D)	(D)	-
Value of land and buildings <sup>1</sup>	farms-- 6 216	44	97	148	426	525	145
	\$1,000-- 2 154 033	90 239	198 824	118 814	258 247	305 062	38 232
Average per farm	dollars-- 346 530	2 050 886	2 049 732	802 797	606 214	581 070	263 669
Average per acre	dollars-- 3 553	3 201	3 616	2 770	2 938	4 270	3 528
Farms by value group:							
\$1 to \$39,999	640	2	2	2	1	12	6
\$40,000 to \$69,999	488	-	1	3	7	43	25
\$70,000 to \$99,999	455	-	-	2	19	26	10
\$100,000 to \$149,999	771	-	2	5	24	56	2
\$150,000 to \$199,999	761	1	2	2	30	49	20
\$200,000 to \$499,999	1 921	3	9	60	152	153	68
\$500,000 to \$999,999	786	9	29	44	114	123	11
\$1,000,000 to \$1,999,999	268	12	21	18	63	40	2
\$2,000,000 to \$4,999,999	114	14	23	11	15	22	1
\$5,000,000 or more	12	3	8	1	1	1	-
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Estimated market value of all machinery and equipment	farms-- 6 207	44	97	148	425	525	145
	\$1,000-- 198 868	14 848	24 581	17 594	30 556	28 553	7 536
Farms by value group:							
\$1 to \$4,999	679	-	-	-	3	26	5
\$5,000 to \$9,999	1 426	1	2	2	3	32	9
\$10,000 to \$19,999	1 271	-	-	4	29	53	37
\$20,000 to \$49,999	1 701	2	12	28	128	184	44
\$50,000 to \$99,999	704	10	15	34	145	149	16
\$100,000 to \$199,999	327	16	31	55	103	69	34
\$200,000 to \$499,999	86	7	27	24	13	11	-
\$500,000 or more	13	8	10	1	1	1	-
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Motortrucks, including pickups	farms-- 5 204	44	97	145	419	505	128
	number-- 10 957	514	852	609	1 393	1 268	336
Wheel tractors	farms-- 5 360	36	87	142	395	461	134
	number-- 13 160	365	632	644	1 449	1 477	433
Less than 40 horsepower (PTO)	farms-- 4 235	26	57	95	252	319	111
	number-- 7 624	221	333	213	552	661	244
40 horsepower (PTO) or more	farms-- 2 915	31	74	124	321	356	100
	number-- 5 536	144	299	431	897	816	189
Grain and bean combines	farms-- 52	-	4	4	14	13	3
	number-- 60	-	4	4	14	19	3
Cottonpickers and strippers	farms-- -	-	-	-	-	-	-
	number-- -	-	-	-	-	-	-
Mower conditioners	farms-- 1 586	3	18	50	173	147	20
	number-- 1 783	5	23	62	196	184	21
Pickup balers	farms-- 1 820	4	16	46	146	155	39
	number-- 1 993	6	21	55	171	184	51
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>							
Commercial fertilizer	farms-- 3 858	33	80	124	400	425	112
	acres on which used-- 138 832	6 294	17 085	19 870	34 546	21 442	4 141
Lime	farms-- 1 339	8	27	51	132	119	59
	acres on which used-- 23 208	786	3 014	2 369	3 830	2 561	893
	tons-- 33 838	493	2 631	3 867	5 764	4 100	1 404
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops	farms-- 2 049	29	68	91	264	317	102
	acres on which used-- 49 252	5 756	11 227	7 712	11 640	7 864	1 746
Nematodes in crops	farms-- 152	6	12	20	32	47	8
	acres on which used-- 5 212	637	1 682	1 019	1 799	475	123
Diseases in crops and orchards	farms-- 1 093	21	45	49	148	183	38
	acres on which used-- 25 050	3 286	6 751	3 365	6 319	4 196	824
Weeds, grass, or brush in crops and pasture	farms-- 1 690	22	54	88	295	255	70
	acres on which used-- 57 337	3 763	9 190	9 042	17 294	9 182	2 301
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms-- 255	3	10	15	36	61	1
	acres on which used-- 5 928	430	1 774	1 482	1 244	810	(D)

See footnotes at end of table.



**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>						
Pastureland and rangeland other than cropland and woodland pastured	farms... 47	18	97	163	190	523
	acres... 1 148	489	4 507	4 551	4 920	8 124
Land in house lots, ponds, roads, wasteland, etc.	farms... 231	119	378	465	549	1 444
	acres... 3 675	1 677	5 657	7 274	7 894	17 341
Cropland under federal acreage reduction programs:						
Annual commodity acreage adjustment programs	farms... 2	1	-	2	-	1
	acres... (D)	(D)	-	(D)	-	(D)
Conservation reserve program	farms... -	-	2	3	2	9
	acres... -	-	(D)	130	(D)	194
Value of land and buildings <sup>1</sup>	farms... 392	171	586	753	797	2 176
	\$1,000... 112 463	56 395	186 955	197 443	204 048	477 550
Average per farm	dollars... 286 895	329 795	319 036	262 208	256 020	219 462
Average per acre	dollars... 3 306	2 541	3 612	3 518	3 512	4 117
Farms by value group:						
\$1 to \$39,999	56	4	48	126	107	276
\$40,000 to \$69,999	37	6	37	60	84	185
\$70,000 to \$99,999	25	2	33	53	41	244
\$100,000 to \$149,999	57	28	98	117	110	272
\$150,000 to \$199,999	46	19	87	78	134	294
\$200,000 to \$499,999	93	81	159	228	242	676
\$500,000 to \$999,999	67	21	94	60	52	171
\$1,000,000 to \$1,999,999	9	10	21	19	14	51
\$2,000,000 to \$4,999,999	2	-	9	11	13	7
\$5,000,000 or more	-	-	-	1	-	-
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>						
Estimated market value of all machinery and equipment	farms... 391	171	586	753	790	2 176
	\$1,000... 13 587	3 593	15 039	17 538	13 395	26 898
Farms by value group:						
\$1 to \$4,999	25	36	34	73	116	361
\$5,000 to \$9,999	55	26	92	125	154	926
\$10,000 to \$19,999	98	19	140	200	240	451
\$20,000 to \$49,999	142	82	216	240	237	388
\$50,000 to \$99,999	45	7	90	112	43	48
\$100,000 to \$199,999	17	1	12	3	-	2
\$200,000 to \$499,999	9	-	2	-	-	-
\$500,000 or more	-	-	-	-	-	-
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>						
Motortrucks, including pickups	farms... 354	137	524	630	610	1 655
	number... 788	263	1 006	1 161	960	2 321
Wheel tractors	farms... 335	153	495	653	653	1 852
	number... 969	391	1 169	1 494	1 416	3 086
Less than 40 horsepower (PTO)	farms... 279	128	399	539	534	1 522
	number... 610	222	718	894	905	2 272
40 horsepower (PTO) or more	farms... 175	96	278	392	338	661
	number... 359	169	451	600	511	814
Grain and bean combines	farms... -	1	1	8	1	3
	number... -	(D)	(D)	8	(D)	(D)
Cottonpickers and strippers	farms... -	-	-	-	-	-
	number... -	-	-	-	-	-
Mower conditioners	farms... 103	57	148	240	263	367
	number... 109	58	163	265	289	413
Pickup balers	farms... 130	64	172	287	299	466
	number... 146	64	187	294	321	499
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>						
Commercial fertilizer	farms... 323	151	432	512	407	892
	acres on which used... 8 335	4 155	7 732	6 966	6 807	7 753
Lime	farms... 113	33	147	155	101	402
	acres on which used... 1 743	1 137	2 373	1 512	856	2 920
	tons... 2 643	2 152	4 008	2 182	1 206	3 881
Sprays, dusts, granules, fumigants, etc., to control—						
Insects on hay and other crops	farms... 191	85	261	233	144	293
	acres on which used... 2 150	1 255	2 240	1 582	425	1 411
Nematodes in crops	farms... 9	2	4	8	-	10
	acres on which used... 36	(D)	(D)	24	-	17
Diseases in crops and orchards	farms... 88	17	120	87	87	231
	acres on which used... 700	52	779	780	461	823
Weeds, grass, or brush in crops and pasture	farms... 171	90	203	206	123	135
	acres on which used... 2 797	1 761	2 515	1 414	551	1 290
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms... 3	14	36	21	11	47
	acres on which used... (D)	92	227	130	11	105

See footnotes at end of table.

Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>TENURE AND RACE OF OPERATOR</b>							
All operators .....	6 216	44	97	148	475	515	138
Full owners .....	4 313	28	53	63	211	255	73
Part owners .....	1 449	9	27	73	221	207	47
Tenants .....	454	7	17	12	43	53	18
White .....	6 190	44	96	148	474	515	138
Full owners .....	4 294	28	53	63	211	255	73
Part owners .....	1 445	9	27	73	220	207	47
Tenants .....	451	7	16	12	43	53	18
Black and other races .....	26	-	1	-	1	-	-
Full owners .....	19	-	-	-	-	-	-
Part owners .....	4	-	-	-	1	-	-
Tenants .....	3	-	1	-	-	-	-
<b>OWNED AND RENTED LAND</b>							
Land owned .....	5 764	37	80	136	432	462	120
acres .....	505 108	24 157	45 472	27 752	66 686	59 557	10 574
Owned land in farms .....	5 762	37	80	136	432	462	120
acres .....	491 079	24 047	45 262	27 547	65 876	59 006	9 570
Land rented or leased from others .....	1 922	16	44	85	266	260	65
acres .....	125 835	(D)	9 758	15 423	28 583	16 905	5 536
Rented or leased land in farms .....	1 903	16	44	85	264	260	65
acres .....	124 106	4 143	9 728	15 341	28 502	16 781	5 522
Land rented or leased to others .....	402	2	3	12	21	19	8
acres .....	15 758	(D)	240	287	891	675	1 018
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated .....	4 918	17	46	94	347	385	96
Not on farm operated .....	960	22	39	44	97	102	38
Not reported .....	338	5	12	10	31	28	4
Operators by principal occupation:							
Farming .....	3 174	39	87	141	440	436	110
Other .....	3 042	5	10	7	35	79	28
Operators by days of work off farm:							
None .....	2 371	31	63	112	361	307	66
Any .....	3 516	10	25	29	87	172	57
1 to 99 days .....	552	3	11	13	37	57	17
100 to 199 days .....	681	-	1	4	17	47	14
200 days or more .....	2 283	7	13	12	33	68	26
Not reported .....	329	3	9	7	27	36	15
Operators by years on present farm:							
2 years or less .....	249	1	2	2	9	19	3
3 or 4 years .....	449	3	6	5	21	37	13
5 to 9 years .....	1 165	9	17	15	57	106	33
10 years or more .....	3 421	24	50	104	300	290	72
Average years on present farm .....	18.8	18.7	19.9	24.1	21.0	19.2	18.1
Not reported .....	932	7	22	22	88	63	17
Operators by age group:							
Under 25 years .....	50	-	-	1	1	3	1
25 to 34 years .....	590	3	9	10	52	79	15
35 to 44 years .....	1 477	11	26	34	112	117	31
45 to 49 years .....	687	7	13	16	54	64	22
50 to 54 years .....	642	6	12	21	62	41	17
55 to 59 years .....	642	6	11	26	63	52	9
60 to 64 years .....	663	3	8	13	56	69	16
65 to 69 years .....	595	4	8	12	34	32	5
70 years and over .....	870	4	10	15	41	58	22
Average age .....	52.6	51.9	51.2	52.4	51.0	50.4	52.0
Operators by sex:							
Male .....	5 415	43	94	144	460	490	126
Female .....	801	1	3	4	15	25	12
Operators of Spanish origin (see text) .....	24	-	1	-	4	1	-
<b>FARMS BY TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship) .....	5 124	7	19	71	301	364	106
acres .....	431 487	1 554	7 280	21 553	56 858	58 176	11 844
Partnership .....	481	2	6	13	72	64	19
acres .....	73 006	(D)	6 302	(D)	(D)	9 634	2 179
Corporation:							
Family held .....	493	26	55	62	93	70	10
acres .....	81 497	20 309	33 916	14 282	15 371	5 082	981
More than 10 stockholders .....	4	1	1	2	2	-	-
10 or less stockholders .....	489	25	54	62	91	70	10
Other than family held .....	51	7	13	1	4	10	1
acres .....	5 038	1 495	2 812	(D)	(D)	285	(D)
More than 10 stockholders .....	6	3	3	-	-	-	-
10 or less stockholders .....	45	4	10	1	4	10	1
Other—cooperative, estate or trust, institutional, etc. ....	67	2	4	1	5	7	2
acres .....	24 157	(D)	4 680	(D)	2 766	2 610	(D)

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>TENURE AND RACE OF OPERATOR</b>						
All operators -----	356	179	591	720	830	2 167
Full owners -----	230	126	409	532	622	1 739
Part owners -----	92	30	126	141	166	319
Tenants -----	34	23	56	47	42	109
White -----	354	175	585	719	826	2 160
Full owners -----	228	122	405	532	618	1 734
Part owners -----	92	30	125	141	166	317
Tenants -----	34	23	55	46	42	109
Black and other races -----	2	4	6	1	4	7
Full owners -----	2	4	4	-	4	5
Part owners -----	-	-	1	-	-	2
Tenants -----	-	-	1	1	-	-
<b>OWNED AND RENTED LAND</b>						
Land owned ----- farms...	322	156	535	673	788	2 060
acres...	25 014	13 240	41 194	46 474	56 528	112 617
Owned land in farms ----- farms...	322	156	535	673	788	2 058
acres...	24 218	13 003	40 267	45 078	53 355	107 897
Land rented or leased from others ----- farms...	128	54	185	192	211	432
acres...	7 198	2 477	11 701	7 671	7 312	13 271
Rented or leased land in farms ----- farms...	126	53	182	188	208	428
acres...	7 148	2 468	11 659	7 453	6 492	13 012
Land rented or leased to others ----- farms...	28	13	41	49	70	138
acres...	846	246	969	1 614	3 993	4 979
<b>OPERATOR CHARACTERISTICS</b>						
Operators by place of residence:						
On farm operated -----	271	128	435	570	693	1 853
Not on farm operated -----	67	42	125	99	101	206
Not reported -----	18	9	31	51	36	108
Operators by principal occupation:						
Farming -----	258	99	347	340	310	606
Other -----	98	80	244	380	520	1 561
Operators by days of work off farm:						
None -----	160	76	237	229	231	529
Any -----	173	95	319	444	556	1 559
1 to 99 days -----	56	15	64	71	58	153
100 to 199 days -----	44	24	85	86	96	263
200 days or more -----	73	56	170	287	402	1 143
Not reported -----	23	8	35	47	43	79
Operators by years on present farm:						
2 years or less -----	20	12	21	30	30	101
3 or 4 years -----	20	19	40	53	48	187
5 to 9 years -----	75	39	103	124	177	419
10 years or more -----	198	92	337	399	454	1 125
Average years on present farm -----	20.0	17.7	20.8	19.0	19.8	16.8
Not reported -----	43	17	90	114	121	335
Operators by age group:						
Under 25 years -----	1	6	13	8	6	10
25 to 34 years -----	40	21	45	63	63	193
35 to 44 years -----	92	43	127	150	161	584
45 to 49 years -----	38	10	54	80	80	256
50 to 54 years -----	29	9	49	82	86	234
55 to 59 years -----	40	18	68	60	79	216
60 to 64 years -----	40	29	66	63	104	199
65 to 69 years -----	32	18	64	87	101	202
70 years and over -----	44	25	105	127	150	273
Average age -----	51.7	52.0	54.2	53.9	55.3	51.9
Operators by sex:						
Male -----	320	160	523	633	699	1 766
Female -----	36	19	68	87	131	401
Operators of Spanish origin (see text) -----	-	-	3	3	2	10
<b>FARMS BY TYPE OF ORGANIZATION</b>						
Individual or family (sole proprietorship) ----- farms...	288	141	467	625	759	1 983
acres...	24 916	10 561	35 452	44 636	53 062	107 149
Partnership ----- farms...	33	16	55	54	40	109
acres...	4 564	2 838	6 845	5 214	3 062	7 541
Corporation:						
Family held ----- farms...	25	17	57	31	19	54
acres...	611	1 530	4 144	1 884	770	2 926
More than 10 stockholders ----- farms...	-	-	-	1	-	-
10 or less stockholders ----- farms...	25	17	57	30	19	54
Other than family held ----- farms...	5	2	4	5	1	5
acres...	340	(D)	207	50	(D)	(D)
More than 10 stockholders ----- farms...	-	-	-	-	1	2
10 or less stockholders ----- farms...	5	2	4	5	-	3
Other—cooperative, estate or trust, institutional, etc. ----- farms...	5	3	8	5	11	16
acres...	935	(D)	5 278	747	(D)	(D)

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>FARMS BY SIZE</b>							
1 to 9 acres .....	1 105	3	7	10	41	52	20
10 to 49 acres .....	2 125	9	18	21	69	124	33
50 to 69 acres .....	587	4	4	7	26	42	24
70 to 99 acres .....	539	4	6	6	48	42	8
100 to 139 acres .....	566	-	3	10	51	64	11
140 to 179 acres .....	324	1	1	17	43	39	7
180 to 219 acres .....	264	1	3	8	38	27	12
220 to 259 acres .....	163	2	4	7	33	29	5
260 to 499 acres .....	386	8	20	34	95	72	17
500 to 999 acres .....	126	5	16	23	28	22	1
1,000 to 1,999 acres .....	26	5	11	5	2	2	-
2,000 acres or more .....	5	2	4	-	1	-	-
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011) .....	25	-	-	-	2	3	1
Field crops, except cash grains (013) .....	975	3	5	4	6	19	12
Cotton (0131) .....	-	-	-	-	-	-	-
Tobacco (0132) .....	14	2	3	2	4	-	2
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	1	2	2	2	19	10
Vegetables and melons (016) .....	678	-	3	9	49	76	28
Fruits and tree nuts (017) .....	956	12	30	37	122	114	36
Horticultural specialties (018) .....	630	19	34	24	78	68	19
General farms, primarily crop (019) .....	274	-	1	1	7	5	4
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	-	2	3	8	27	5
Beef cattle, except feedlots (0212) .....	585	-	-	-	3	14	-
Dairy farms (024) .....	556	-	10	55	190	170	27
Poultry and eggs (025) .....	134	8	9	12	6	17	1
Animal specialties (027) .....	676	2	2	2	5	13	4
General farms, primarily livestock and animal specialties (029) .....	79	-	1	1	2	3	1
<b>LIVESTOCK</b>							
Cattle and calves inventory .....	2 112 farms..	2	17	55	207	216	36
number .....	83 065	(D)	5 102	13 613	27 535	14 153	1 655
Farms with—							
1 to 9 .....	951	1	3	-	6	17	4
10 to 49 .....	657	1	2	-	6	44	17
50 to 99 .....	264	-	-	-	57	131	15
100 to 199 .....	169	-	-	17	120	21	-
200 to 499 .....	66	-	8	38	17	3	-
500 or more .....	5	-	4	-	1	-	-
Cows and heifers that had calved .....	1 757 farms..	2	15	55	202	202	34
number .....	46 605	(D)	2 952	8 039	15 570	8 509	991
Beef cows .....	1 124 farms..	2	6	3	32	49	11
number .....	9 692	(D)	29	15	907	1 103	175
Farms with—							
1 to 9 .....	869	2	5	2	20	32	4
10 to 49 .....	229	-	1	1	6	9	7
50 to 99 .....	16	-	-	-	4	4	-
100 to 199 .....	9	-	-	-	1	4	-
200 to 499 .....	1	-	-	-	1	-	-
500 or more .....	-	-	-	-	-	-	-
Milk cows .....	838 farms..	-	11	55	192	174	30
number .....	36 913	-	2 923	8 024	14 663	7 406	816
Farms with—							
1 to 4 .....	256	-	-	-	2	3	4
5 to 9 .....	38	-	-	-	-	3	-
10 to 49 .....	249	-	-	-	17	118	25
50 to 99 .....	193	-	-	3	136	48	1
100 to 199 .....	86	-	2	45	37	2	-
200 to 499 .....	16	-	9	7	-	-	-
500 or more .....	-	-	-	-	-	-	-
Heifers and heifer calves .....	1 356 farms..	1	12	50	180	181	27
number .....	26 965	(D)	1 479	4 850	9 541	4 162	484
Steers, steer calves, bulls, and bull calves .....	1 170 farms..	2	13	32	110	89	21
number .....	9 495	(D)	671	724	2 424	1 482	180
Cattle and calves sold .....	1 725 farms..	1	14	57	206	216	38
number .....	39 668	(D)	2 699	6 511	12 193	7 675	827
\$1,000 .....	11 297	(D)	815	1 620	3 207	2 141	259
Calves .....	1 074 farms..	-	11	54	192	181	26
number .....	20 745	-	1 487	3 695	6 908	4 251	407
\$1,000 .....	1 837	-	62	248	581	413	30
Cattle .....	1 514 farms..	1	12	53	191	202	36
number .....	18 923	(D)	1 212	2 816	5 285	3 424	420
\$1,000 .....	9 461	(D)	753	1 372	2 626	1 728	229
Fattened on grain and concentrates .....	352 farms..	1	3	4	11	16	10
number .....	2 712	(D)	463	222	566	248	83
\$1,000 .....	1 588	(D)	350	111	306	111	81

See footnotes at end of table.

Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>FARMS BY SIZE</b>						
1 to 9 acres .....	61	36	117	157	172	432
10 to 49 acres .....	126	65	218	228	285	940
50 to 69 acres .....	31	11	50	68	88	236
70 to 99 acres .....	32	13	46	77	79	182
100 to 139 acres .....	23	15	59	76	84	170
140 to 179 acres .....	15	16	23	38	37	88
180 to 219 acres .....	24	4	27	31	33	57
220 to 259 acres .....	16	4	15	19	18	13
260 to 499 acres .....	24	12	27	22	26	37
500 to 999 acres .....	4	3	6	4	7	12
1,000 to 1,999 acres .....	-	-	5	-	1	-
2,000 acres or more .....	-	-	-	-	-	-
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>						
Cash grains (011) .....	-	1	5	5	4	4
Field crops, except cash grains (013) .....	31	22	87	149	228	412
Cotton (0131) .....	-	-	-	-	-	-
Tobacco (0132) .....	-	-	3	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	31	22	84	149	228	412
Vegetables and melons (016) .....	75	38	122	127	82	69
Fruits and tree nuts (017) .....	72	33	123	107	102	180
Horticultural specialties (018) .....	76	24	100	78	61	68
General farms, primarily crop (019) .....	7	1	10	13	8	217
Livestock, except dairy, poultry, and animal specialties (021) .....	12	26	82	149	233	686
Beef cattle, except feedlots (0212) .....	6	7	34	61	135	325
Dairy farms (024) .....	51	14	21	8	5	5
Poultry and eggs (025) .....	7	9	9	9	13	42
Animal specialties (027) .....	20	10	25	65	90	440
General farms, primarily livestock and animal specialties (029) .....	5	1	7	10	4	44
<b>LIVESTOCK</b>						
Cattle and calves inventory .....	98	45	160	222	303	753
Farms with—	3 719	1 172	3 508	3 359	3 912	5 337
1 to 9 .....	17	10	52	90	163	589
10 to 49 .....	51	28	93	123	130	163
50 to 99 .....	26	6	12	9	8	-
100 to 199 .....	4	1	3	-	2	1
200 to 499 .....	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-
Cows and heifers that had calved .....	92	34	128	172	237	586
Beef cows .....	2 172	527	1 690	1 381	2 013	2 761
Farms with—	45	19	94	151	212	502
1 to 9 .....	736	149	1 055	1 229	1 877	2 417
10 to 49 .....	24	15	56	105	154	452
50 to 99 .....	16	4	37	46	53	49
100 to 199 .....	3	-	1	-	3	1
200 to 499 .....	2	-	-	-	2	-
500 or more .....	-	-	-	-	-	-
Milk cows .....	60	21	50	47	44	154
Farms with—	1 436	378	635	152	136	344
1 to 4 .....	8	3	23	36	37	140
5 to 9 .....	2	6	2	8	5	12
10 to 49 .....	47	11	24	3	2	2
50 to 99 .....	3	1	1	-	-	-
100 to 199 .....	-	-	-	-	-	-
200 to 499 .....	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-
Heifers and heifer calves .....	76	29	98	144	171	388
Steers, steer calves, bulls, and bull calves .....	1 195	516	1 114	1 145	1 132	1 347
Farms with—	54	19	93	145	194	400
1 to 9 .....	352	129	704	833	767	1 229
10 to 49 .....	76	22	70	99	127	216
50 to 99 .....	882	224	854	718	569	750
100 to 199 .....	71	36	106	111	95	83
200 to 499 .....	84	34	126	183	227	366
500 or more .....	1 079	401	1 121	1 116	1 114	935
Fattened on grain and concentrates .....	515	254	566	552	479	385
Farms with—	15	7	29	62	67	127
1 to 9 .....	107	105	164	304	185	265
10 to 49 .....	66	79	83	182	93	125

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>LIVESTOCK—Con.</b>							
Hogs and pigs inventory	farms... 498	1	5	7	11	35	11
	number... 25 816	(D)	3 260	4 086	3 601	3 248	1 447
Farms with—							
1 to 24	388	1	2	1	7	28	7
25 to 49	37	-	1	-	-	-	1
50 to 99	18	-	-	-	-	-	-
100 to 199	23	-	-	1	-	-	-
200 to 499	21	-	-	1	1	4	2
500 or more	11	-	2	3	2	3	1
Used or to be used for breeding	farms... 211	-	1	4	7	17	5
	number... 3 189	(D)	(D)	(D)	570	411	155
Other	farms... 444	1	5	7	10	31	11
	number... 22 627	(D)	(D)	(D)	3 031	2 837	1 292
Hogs and pigs sold	farms... 387	1	4	7	12	23	8
	number... 40 048	(D)	6 504	8 143	3 419	7 112	1 048
	\$1,000... 4 220	(D)	924	999	465	536	107
Feeder pigs	farms... 96	-	-	2	3	5	-
	number... 9 091	-	-	(D)	100	2 690	-
	\$1,000... 374	-	-	(D)	4	73	-
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30	farms... 218	-	1	4	7	17	5
	number... 3 837	(D)	(D)	(D)	544	702	177
Dec. 1 and May 31	farms... 202	-	1	4	7	17	5
	number... 1 882	(D)	(D)	(D)	240	335	84
June 1 and Nov. 30	farms... 165	-	-	4	6	13	5
	number... 1 955	-	-	208	304	367	93
Sheep and lambs of all ages inventory	farms... 604	-	-	3	11	25	4
	number... 14 761	-	-	784	292	662	67
Ewes 1 year old or older	farms... 521	-	-	3	9	20	3
	number... 9 597	-	-	457	(D)	275	(D)
Sheep and lambs sold	farms... 493	-	-	1	11	18	3
	number... 11 548	-	-	(D)	(D)	1 026	71
Sheep and lambs shorn	farms... 511	-	-	2	10	17	4
	number... 13 036	-	-	(D)	(D)	381	68
	pounds of wool... 95 098	-	-	(D)	(D)	3 677	406
Horses and ponies inventory	farms... 1 608	2	4	7	32	59	15
	number... 11 944	(D)	93	49	161	417	100
Horses and ponies sold	farms... 421	1	1	1	5	13	7
	number... 1 230	(D)	(D)	(D)	(D)	60	47
Goats inventory	farms... 279	-	1	-	6	10	6
	number... 2 756	-	(D)	-	(D)	186	17
Goats sold	farms... 98	-	-	-	1	5	-
	number... 1 187	-	-	-	(D)	63	-
<b>POULTRY</b>							
Chickens 3 months old or older inventory	farms... 738	8	8	13	17	36	13
	number... 1 502 202	1 047 422	1 047 422	307 093	31 419	48 485	11 158
Farms with—							
1 to 399	679	-	-	2	13	23	11
400 to 3,199	32	-	-	1	2	8	1
3,200 to 9,999	7	-	-	-	-	5	1
10,000 to 19,999	4	-	-	2	2	-	-
20,000 to 49,999	7	-	-	7	-	-	-
50,000 to 99,999	4	3	3	1	-	-	-
100,000 or more	5	5	5	-	-	-	-
Hens and pullets of laying age	farms... 733	8	8	12	17	36	12
	number... 1 251 356	923 857	923 857	215 593	28 358	36 385	(D)
Pullets 3 months old or older not of laying age	farms... 95	3	3	4	4	5	2
	number... 250 846	123 565	123 565	91 500	3 061	12 100	(D)
Hens and pullets sold	farms... 192	8	8	10	9	18	2
	number... 1 195 566	845 558	845 558	249 550	23 576	41 297	(D)
Broilers and other meat-type chickens sold	farms... 37	-	-	-	-	3	-
	number... (D)	-	-	-	-	38 500	-
Farms with—							
1 to 1,999	34	-	-	-	-	2	-
2,000 to 59,999	3	-	-	-	-	1	-
60,000 to 99,999	-	-	-	-	-	-	-
100,000 or more	-	-	-	-	-	-	-
Turkey hens kept for breeding	farms... 25	-	1	-	1	1	-
	number... 2 140	-	(D)	-	(D)	(D)	-
Turkeys sold	farms... 86	-	1	1	8	7	-
	number... 153 714	-	(D)	(D)	(D)	28 865	-

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>LIVESTOCK—Con.</b>						
Hogs and pigs inventory..... farms..	19	22	58	66	71	193
..... number..	1 042	1 657	3 476	1 947	843	1 209
Farms with—						
1 to 24.....	10	9	33	45	65	181
25 to 49.....	3	3	3	9	5	10
50 to 99.....	1	4	6	5	-	2
100 to 199.....	3	2	11	6	-	-
200 to 499.....	2	4	5	1	1	-
500 or more.....	-	-	-	-	-	-
Used or to be used for breeding..... farms..	10	9	30	40	32	56
..... number..	160	160	597	474	159	225
Other..... farms..	18	22	52	56	61	171
..... number..	882	1 497	2 879	1 473	684	984
Hogs and pigs sold..... farms..	18	17	54	65	58	121
..... number..	1 786	2 598	4 359	2 856	1 091	1 132
..... \$1,000..	183	228	377	223	85	92
Feeder pigs..... farms..	3	1	11	22	18	31
..... number..	607	(D)	983	1 361	543	540
..... \$1,000..	30	(D)	47	39	20	19
Litters of pigs farrowed between—						
Dec. 1 of preceding year and Nov. 30..... farms..	11	9	31	40	34	59
..... number..	181	212	743	469	155	241
Dec. 1 and May 31..... farms..	9	9	30	38	31	51
..... number..	74	125	385	238	88	108
June 1 and Nov. 30..... farms..	9	7	23	33	24	41
..... number..	107	87	356	231	67	133
Sheep and lambs of all ages inventory..... farms..	12	7	47	82	114	299
..... number..	292	899	2 174	2 788	2 494	4 309
Ewes 1 year old or older..... farms..	11	5	46	73	100	251
..... number..	(D)	(D)	(D)	1 822	1 490	2 729
Sheep and lambs sold..... farms..	11	9	41	63	95	241
..... number..	91	809	1 474	2 185	1 663	2 528
Sheep and lambs shorn..... farms..	11	9	41	67	99	251
..... number..	195	993	1 735	2 510	2 334	3 563
..... pounds of wool..	1 362	5 346	13 014	20 341	17 163	25 241
Horses and ponies inventory..... farms..	48	30	87	179	223	924
..... number..	629	287	651	1 557	1 288	6 712
Horses and ponies sold..... farms..	22	10	34	84	102	142
..... number..	166	64	186	230	196	223
Goats inventory..... farms..	3	8	24	37	39	145
..... number..	11	264	441	419	431	945
Goats sold..... farms..	1	4	6	11	22	48
..... number..	(D)	(D)	75	140	279	453
<b>POULTRY</b>						
Chickens 3 months old or older inventory..... farms..	25	22	74	91	119	320
..... number..	11 465	11 056	17 013	4 312	4 661	8 118
Farms with—						
1 to 399.....	18	16	66	91	119	320
400 to 3,199.....	7	6	7	-	-	-
3,200 to 9,999.....	-	-	1	-	-	-
10,000 to 19,999.....	-	-	-	-	-	-
20,000 to 49,999.....	-	-	-	-	-	-
50,000 to 99,999.....	-	-	-	-	-	-
100,000 or more.....	-	-	-	-	-	-
Hens and pullets of laying age..... farms..	25	22	73	91	118	319
..... number..	(D)	9 320	8 293	3 889	4 391	7 482
Pullets 3 months old or older not of laying age..... farms..	3	5	9	12	15	33
..... number..	(D)	1 736	8 720	423	270	636
Hens and pullets sold..... farms..	9	10	16	22	36	52
..... number..	(D)	5 651	9 803	2 602	759	1 715
Broilers and other meat-type chickens sold..... farms..	1	2	-	7	10	14
..... number..	(D)	(D)	-	2 847	504	338
Farms with—						
1 to 1,999.....	1	1	-	6	10	14
2,000 to 59,999.....	-	1	-	-	-	-
60,000 to 99,999.....	-	-	-	-	-	-
100,000 or more.....	-	-	-	-	-	-
Turkey hens kept for breeding..... farms..	-	2	2	4	-	14
..... number..	-	(D)	(D)	77	-	29
Turkeys sold..... farms..	4	5	9	14	17	20
..... number..	4 650	4 016	5 785	2 895	444	266

See footnotes at end of table.

**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	All farms	\$500,000 or more		\$250,000 to \$499,999	\$100,000 to \$249,999	\$50,000 to \$99,999	\$40,000 to \$49,999
		\$1,000,000 or more	Total				
<b>CROPS HARVESTED</b>							
Corn for silage or green chop .....	farms... 604	1	14	48	162	120	18
	acres... 28 643	(D)	2 373	7 267	11 376	3 784	435
	tons, green... 524 819	(D)	50 655	147 893	202 759	62 594	5 706
Irrigated .....	farms... 6	-	-	-	-	3	-
	acres... 89	-	-	-	-	30	-
Farms by acres harvested:							
1 to 24 acres .....	274	1	1	-	16	54	8
25 to 99 acres .....	250	-	3	9	119	63	9
100 to 249 acres .....	69	-	6	33	26	3	1
250 to 499 acres .....	9	-	4	5	-	-	-
500 acres or more .....	2	-	-	1	1	-	-
Irish potatoes .....	farms... 93	1	4	3	12	16	7
	acres... 2 628	(D)	1 195	419	185	389	128
	cwt... 615 427	(D)	364 000	78 360	38 261	72 576	11 787
Irrigated .....	farms... 15	-	1	1	2	5	-
	acres... 150	-	(D)	(D)	(D)	126	-
Farms by acres harvested:							
0.1 to 4.9 acres .....	50	-	-	1	5	4	4
5.0 to 24.9 acres .....	23	-	1	-	4	6	1
25.0 to 99.9 acres .....	15	-	-	-	3	6	2
100.0 to 249.9 acres .....	3	-	1	2	-	-	-
250.0 acres or more .....	2	1	2	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..	farms... 2 874	5	19	56	202	217	51
	acres... 121 498	295	3 432	11 121	21 808	16 669	4 134
	tons, dry... 250 559	279	8 300	29 845	52 299	41 611	10 014
Irrigated .....	farms... 24	-	-	-	1	3	-
	acres... 339	-	-	-	(D)	16	-
Farms by acres harvested:							
1 to 24 acres .....	1 542	3	5	7	29	49	11
25 to 99 acres .....	1 013	1	2	10	79	107	22
100 to 249 acres .....	265	-	5	22	81	53	15
250 to 499 acres .....	48	1	6	14	11	8	3
500 acres or more .....	6	-	1	3	2	-	-
Tame hay other than alfalfa, small grain, and wild hay (see text) .....	farms... 1 699	2	13	35	143	160	37
	acres... 60 650	(D)	1 312	3 810	9 539	8 721	2 825
	tons, dry... 120 497	(D)	3 637	9 700	21 008	21 076	6 780
Irrigated .....	farms... 11	-	-	-	1	1	-
	acres... 219	-	-	-	(D)	(D)	-
Vegetables harvested for sale (see text) ...	farms... 1 008	2	11	21	105	124	40
	acres... 16 325	(D)	811	1 381	4 876	3 670	875
Irrigated .....	farms... 312	1	6	10	53	56	14
	acres... 4 750	(D)	422	687	1 548	1 112	139
Farms by acres harvested:							
0.1 to 4.9 acres .....	438	-	-	1	15	23	4
5.0 to 24.9 acres .....	386	2	5	7	27	37	22
25.0 to 99.9 acres .....	156	-	3	6	49	60	14
100.0 to 249.9 acres .....	26	-	2	6	14	4	-
250.0 acres or more .....	2	-	1	1	-	-	-
Sweet corn harvested for sale .....	farms... 596	1	7	18	81	78	26
	acres... 8 444	(D)	302	736	2 807	1 958	426
Irrigated .....	farms... 163	-	3	7	35	34	7
	acres... 2 042	-	90	183	832	560	77
Land in orchards .....	farms... 572	-	4	15	41	54	18
	acres... 9 379	-	1 042	1 562	1 935	1 623	368
Irrigated .....	farms... 57	-	-	-	5	13	1
	acres... 267	-	-	-	26	72	(D)
Farms by bearing and nonbearing acres:							
0.1 to 4.9 acres .....	269	-	-	-	5	11	2
5.0 to 24.9 acres .....	201	-	-	2	7	11	11
25.0 to 99.9 acres .....	82	-	-	4	25	31	5
100.0 to 249.9 acres .....	18	-	2	9	4	1	-
250.0 acres or more .....	2	-	2	-	-	-	-
Berries harvested for sale .....	farms... 890	13	30	34	127	123	32
	acres... 13 385	4 488	6 145	1 424	2 408	1 330	236
Irrigated .....	farms... 646	13	29	28	115	103	29
	acres... 12 499	4 488	6 143	1 410	2 339	1 135	233

See footnotes at end of table.



**Table 52. Summary by Value of Agricultural Products Sold: 1987—Con.**

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

Item	\$25,000 to \$39,999	\$20,000 to \$24,999	\$10,000 to \$19,999	\$5,000 to \$9,999	\$2,500 to \$4,999	Less than \$2,500
<b>CROPS HARVESTED</b>						
Corn for silage or green chop ----- farms..	45	16	45	41	34	61
acres..	809	370	779	600	409	441
tons, green..	13 918	4 912	12 982	9 579	7 441	6 380
Irrigated ----- farms..	2	-	1	-	-	-
acres..	(D)	-	(D)	-	-	-
Farms by acres harvested:						
1 to 24 acres -----	32	8	30	35	31	59
25 to 99 acres -----	13	8	15	6	3	2
100 to 249 acres -----	-	-	-	-	-	-
250 to 499 acres -----	-	-	-	-	-	-
500 acres or more -----	-	-	-	-	-	-
Irish potatoes ----- farms..	7	9	15	7	5	8
acres..	194	49	30	19	2	20
cwt..	30 880	9 920	3 566	3 340	479	2 258
Irrigated ----- farms..	-	1	1	3	1	-
acres..	-	(D)	(D)	2	(D)	-
Farms by acres harvested:						
0.1 to 4.9 acres -----	1	5	14	5	5	6
5.0 to 24.9 acres -----	2	4	1	2	-	2
25.0 to 99.9 acres -----	4	-	-	-	-	-
100.0 to 249.9 acres -----	-	-	-	-	-	-
250.0 acres or more -----	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -- farms..	130	70	224	337	438	1 130
acres..	8 224	3 915	11 098	10 783	11 680	18 634
tons, dry..	17 290	8 098	22 183	19 143	18 336	23 440
Irrigated ----- farms..	1	-	4	-	4	11
acres..	(D)	-	(D)	-	143	103
Farms by acres harvested:						
1 to 24 acres -----	33	26	73	163	235	911
25 to 99 acres -----	66	33	124	163	198	209
100 to 249 acres -----	29	9	26	11	5	9
250 to 499 acres -----	2	2	1	-	-	1
500 acres or more -----	-	-	-	-	-	-
Tame hay other than alfalfa, small grain, and wild hay (see text) ----- farms..	95	44	140	210	246	576
acres..	4 919	1 939	6 166	6 012	6 329	9 078
tons, dry..	10 349	4 042	11 993	10 373	9 871	11 668
Irrigated ----- farms..	-	-	1	-	3	5
acres..	-	-	(D)	-	138	66
Vegetables harvested for sale (see text) --- farms..	105	52	164	165	112	109
acres..	1 480	547	1 424	718	350	194
Irrigated ----- farms..	36	12	37	39	20	29
acres..	316	71	240	130	42	44
Farms by acres harvested:						
0.1 to 4.9 acres -----	24	9	59	110	91	102
5.0 to 24.9 acres -----	66	43	98	53	21	7
25.0 to 99.9 acres -----	15	-	7	2	-	-
100.0 to 249.9 acres -----	-	-	-	-	-	-
250.0 acres or more -----	-	-	-	-	-	-
Sweet corn harvested for sale ----- farms..	65	24	95	103	54	45
acres..	823	178	687	317	141	68
Irrigated ----- farms..	13	3	15	24	7	15
acres..	124	17	67	63	12	19
Land in orchards ----- farms..	49	8	58	69	84	172
acres..	748	41	566	493	343	658
Irrigated ----- farms..	5	-	7	8	4	14
acres..	(D)	-	39	46	4	40
Farms by bearing and nonbearing acres:						
0.1 to 4.9 acres -----	11	5	18	40	56	121
5.0 to 24.9 acres -----	30	3	35	26	27	49
25.0 to 99.9 acres -----	6	-	5	3	1	2
100.0 to 249.9 acres -----	2	-	-	-	-	-
250.0 acres or more -----	-	-	-	-	-	-
Berries harvested for sale ----- farms..	69	32	124	110	91	118
acres..	350	188	576	376	181	171
Irrigated ----- farms..	55	30	98	71	46	42
acres..	322	142	464	162	104	44

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987**

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

Item	Field crops, except cash grains (013)							
	Total	Cash grains (011)	Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	Vegetables and melons (016)	Fruits and tree nuts (017)
<b>FARMS AND LAND IN FARMS</b>								
Farms.....number.....	6 216	25	975	-	14	961	678	956
.....percent.....	100.0	.4	15.7	-	.2	15.5	10.9	15.4
Land in farms.....acres.....	615 185	5 987	124 046	-	2 028	122 018	37 568	93 584
Average size of farm.....acres.....	99	239	127	-	145	127	55	98
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text).....farms.....	6 216	25	975	-	14	961	678	956
.....\$1,000.....	340 464	607	14 290	-	4 629	9 661	24 925	91 541
Average per farm.....dollars.....	54 772	24 277	14 657	-	330 653	10 053	36 762	95 755
Farms by value of sales:								
Less than \$1,000 (see text).....	1 133	4	149	-	-	149	6	90
\$1,000 to \$2,499.....	1 034	-	263	-	-	263	63	90
\$2,500 to \$4,999.....	830	4	228	-	-	228	82	102
\$5,000 to \$9,999.....	720	5	149	-	-	149	127	107
\$10,000 to \$19,999.....	591	5	87	-	3	84	122	123
\$20,000 to \$24,999.....	179	1	22	-	-	22	38	33
\$25,000 to \$39,999.....	356	-	31	-	-	31	75	72
\$40,000 to \$49,999.....	138	1	12	-	2	10	28	36
\$50,000 to \$99,999.....	515	3	19	-	-	19	76	114
\$100,000 to \$249,999.....	475	2	6	-	4	2	49	122
\$250,000 to \$499,999.....	148	-	4	-	2	2	9	37
\$500,000 to \$999,999.....	53	-	2	-	1	1	3	18
\$1,000,000 or more.....	44	-	3	-	2	1	-	12
Grains.....farms.....	78	25	12	-	-	12	15	1
.....\$1,000.....	785	453	63	-	-	63	47	(D)
Sales of \$50,000 or more.....farms.....	5	4	-	-	-	-	-	-
.....\$1,000.....	332	(D)	-	-	-	-	-	-
Corn for grain.....farms.....	67	22	8	-	-	8	12	1
.....\$1,000.....	729	437	27	-	-	27	43	(D)
Wheat.....farms.....	3	3	-	-	-	-	-	-
.....\$1,000.....	(D)	(D)	-	-	-	-	-	-
Soybeans.....farms.....	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Sorghum for grain.....farms.....	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Barley.....farms.....	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Oats.....farms.....	5	4	-	-	-	-	1	-
.....\$1,000.....	(D)	(D)	-	-	-	-	(D)	-
Other grains.....farms.....	7	-	4	-	-	4	2	-
.....\$1,000.....	39	-	36	-	-	36	(D)	-
Cotton and cottonseed.....farms.....	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Sales of \$50,000 or more.....farms.....	-	-	-	-	-	-	-	-
.....\$1,000.....	-	-	-	-	-	-	-	-
Tobacco.....farms.....	21	-	14	-	14	-	2	-
.....\$1,000.....	4 587	-	4 304	-	4 304	-	(D)	-
Sales of \$50,000 or more.....farms.....	11	-	9	-	9	-	-	-
.....\$1,000.....	4 355	-	(D)	-	(D)	-	-	-
Hay, silage, and field seeds.....farms.....	1 569	10	927	-	1	926	92	42
.....\$1,000.....	7 803	99	5 194	-	(D)	(D)	214	91
Sales of \$50,000 or more.....farms.....	18	1	11	-	-	11	-	-
.....\$1,000.....	1 250	(D)	713	-	-	713	-	-
Vegetables, sweet corn, and melons.....farms.....	1 007	-	54	-	2	52	677	74
.....\$1,000.....	25 179	-	290	-	(D)	(D)	21 604	481
Sales of \$50,000 or more.....farms.....	138	-	-	-	-	-	123	1
.....\$1,000.....	15 627	-	-	-	-	-	14 307	(D)
Fruits, nuts, and berries.....farms.....	1 186	-	26	-	1	25	145	914
.....\$1,000.....	92 349	-	28	-	(D)	(D)	649	90 799
Sales of \$50,000 or more.....farms.....	305	-	-	-	-	-	1	300
.....\$1,000.....	83 747	-	-	-	-	-	(D)	83 356
Nursery and greenhouse crops.....farms.....	824	-	12	-	-	12	122	16
.....\$1,000.....	80 867	-	20	-	-	20	1 818	59
Sales of \$50,000 or more.....farms.....	212	-	-	-	-	-	7	-
.....\$1,000.....	73 509	-	-	-	-	-	634	-
Other crops.....farms.....	114	1	44	-	1	43	47	-
.....\$1,000.....	4 285	(D)	3 461	-	(D)	(D)	247	-
Sales of \$50,000 or more.....farms.....	12	-	10	-	-	10	-	-
.....\$1,000.....	3 520	-	(D)	-	-	(D)	-	-
Poultry and poultry products.....farms.....	498	1	27	-	-	27	47	19
.....\$1,000.....	23 149	(D)	16	-	-	16	70	9
Sales of \$50,000 or more.....farms.....	44	-	-	-	-	-	-	-
.....\$1,000.....	22 016	-	-	-	-	-	-	-
Dairy products.....farms.....	609	-	6	-	1	5	2	-
.....\$1,000.....	63 309	-	220	-	(D)	(D)	(D)	-
Sales of \$50,000 or more.....farms.....	409	-	1	-	1	-	1	-
.....\$1,000.....	58 969	-	(D)	-	(D)	-	(D)	-
Cattle and calves.....farms.....	1 725	3	194	-	2	192	44	18
.....\$1,000.....	11 297	21	507	-	(D)	(D)	78	69
Sales of \$50,000 or more.....farms.....	25	-	1	-	1	-	-	-
.....\$1,000.....	2 563	-	(D)	-	(D)	-	-	-

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>FARMS AND LAND IN FARMS</b>								
Farms ..... number.....	630	274	1 233	585	556	134	676	79
..... percent.....	10.1	4.4	19.8	9.4	8.9	2.2	10.9	1.3
Land in farms ..... acres.....	17 303	23 092	113 821	57 295	152 045	8 090	28 179	11 470
Average size of farm ..... acres.....	27	84	92	98	273	60	42	145
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) ..... farms.....	630	274	1 233	585	556	134	676	79
..... \$1,000.....	79 985	3 096	10 428	3 502	69 892	22 711	20 831	2 158
Average per farm ..... dollars.....	126 961	11 299	8 457	5 987	125 705	169 488	30 815	27 313
Farms by value of sales:								
Less than \$1,000 (see text).....	6	212	292	153	3	27	318	26
\$1,000 to \$2,499.....	62	5	394	172	2	15	122	18
\$2,500 to \$4,999.....	61	8	233	135	5	13	90	4
\$5,000 to \$9,999.....	78	13	149	61	8	9	65	10
\$10,000 to \$19,999.....	100	10	82	34	21	9	25	7
\$20,000 to \$24,999.....	24	1	26	7	14	9	10	1
\$25,000 to \$39,999.....	76	7	12	6	51	7	20	5
\$40,000 to \$49,999.....	19	4	5	-	27	1	4	1
\$50,000 to \$99,999.....	68	5	27	14	170	17	13	3
\$100,000 to \$249,999.....	78	7	8	3	190	6	5	2
\$250,000 to \$499,999.....	24	1	3	-	55	12	2	1
\$500,000 to \$999,999.....	15	1	2	-	10	1	-	1
\$1,000,000 or more.....	19	-	-	-	-	8	2	-
Grains..... farms.....	-	7	7	2	6	3	1	1
..... \$1,000.....	-	30	30	(D)	71	20	(D)	(D)
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	(D)
Corn for grain..... farms.....	-	7	6	2	6	3	1	1
..... \$1,000.....	-	30	(D)	(D)	71	20	(D)	(D)
Wheat..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Soybeans..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Sorghum for grain..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Barley..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Oats..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Other grains..... farms.....	-	-	1	-	-	-	-	-
..... \$1,000.....	-	-	(D)	-	-	-	-	-
Cotton and cottonseed..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Sales of \$50,000 or more..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Tobacco..... farms.....	-	3	1	1	1	-	-	-
..... \$1,000.....	-	210	(D)	(D)	(D)	-	-	-
Sales of \$50,000 or more..... farms.....	-	2	-	-	-	-	-	-
..... \$1,000.....	-	(D)	-	-	-	-	-	-
Hay, silage, and field seeds..... farms.....	26	43	227	131	119	15	34	34
..... \$1,000.....	37	223	435	245	1 067	30	111	302
Sales of \$50,000 or more..... farms.....	-	-	-	-	4	-	-	2
..... \$1,000.....	-	-	-	-	302	-	-	(D)
Vegetables, sweet corn, and melons..... farms.....	62	53	28	10	32	14	-	13
..... \$1,000.....	1 022	1 081	72	40	425	120	-	83
Sales of \$50,000 or more..... farms.....	7	6	-	-	1	-	-	-
..... \$1,000.....	(D)	698	-	-	(D)	-	-	-
Fruits, nuts, and berries..... farms.....	31	29	8	5	9	10	3	11
..... \$1,000.....	338	287	12	8	75	36	8	117
Sales of \$50,000 or more..... farms.....	2	1	-	-	-	-	-	1
..... \$1,000.....	(D)	(D)	-	-	-	-	-	(D)
Nursery and greenhouse crops..... farms.....	630	27	10	2	1	2	-	4
..... \$1,000.....	78 192	724	12	(D)	(D)	(D)	-	(D)
Sales of \$50,000 or more..... farms.....	202	3	-	-	-	-	-	-
..... \$1,000.....	72 353	523	-	-	-	-	-	-
Other crops..... farms.....	7	9	4	3	1	-	-	1
..... \$1,000.....	356	180	(D)	(D)	(D)	-	-	(D)
Sales of \$50,000 or more..... farms.....	1	1	-	-	-	-	-	-
..... \$1,000.....	(D)	(D)	-	-	-	-	-	-
Poultry and poultry products..... farms.....	13	13	151	33	33	134	23	37
..... \$1,000.....	7	116	69	8	62	22 436	(D)	358
Sales of \$50,000 or more..... farms.....	-	1	-	-	-	42	-	1
..... \$1,000.....	-	(D)	-	-	-	(D)	-	(D)
Dairy products..... farms.....	-	6	23	18	556	1	-	15
..... \$1,000.....	-	98	161	79	62 306	(D)	-	431
Sales of \$50,000 or more..... farms.....	-	1	1	-	402	-	-	3
..... \$1,000.....	-	(D)	(D)	-	58 263	-	-	290
Cattle and calves..... farms.....	12	26	813	543	552	13	18	32
..... \$1,000.....	21	98	4 530	3 001	5 690	32	31	220
Sales of \$50,000 or more..... farms.....	-	-	16	13	8	-	-	-
..... \$1,000.....	-	-	1 812	1 193	(D)	-	-	-

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>								
Total sales (see text)—Con.								
Hogs and pigs	387	-	27	-	-	27	20	6
farms..								(D)
\$1,000..	4 220	-	54	-	-	54	25	-
Sales of \$50,000 or more	15	-	-	-	-	-	-	-
farms..								
\$1,000..	2 705	-	-	-	-	-	-	-
Sheep, lambs, and wool	563	-	63	-	-	63	21	32
farms..								9
\$1,000..	884	-	25	-	-	25	9	-
Sales of \$50,000 or more	1	-	-	-	-	-	-	-
farms..								
\$1,000..	(D)	-	-	-	-	-	-	-
Other livestock and livestock products (see text)	722	2	47	-	-	47	32	38
farms..								16
\$1,000..	21 749	(D)	108	-	-	108	24	-
Sales of \$50,000 or more	25	-	-	-	-	-	-	-
farms..								
\$1,000..	19 082	-	-	-	-	-	-	-
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
Total farm production expenses	6 216	37	967	-	13	954	757	1 017
farms..								59 227
\$1,000..	251 496	674	13 745	-	3 500	10 245	16 813	58 237
Average per farm	40 460	18 223	14 214	-	269 247	10 738	22 210	
Livestock and poultry purchased	1 559	9	136	-	2	134	75	43
farms..								16
\$1,000..	11 441	3	507	-	(D)	(D)	75	-
Farms with expenses of—								
\$1 to \$4,999	1 238	9	120	-	1	119	73	42
\$5,000 to \$24,999	242	-	3	-	-	3	2	1
\$25,000 to \$99,999	64	-	13	-	1	12	-	-
\$100,000 or more	15	-	-	-	-	-	-	-
Feed for livestock and poultry	2 893	16	306	-	2	304	140	119
farms..								78
\$1,000..	33 525	4	445	-	(D)	(D)	119	-
Farms with expenses of—								
\$1 to \$4,999	2 130	16	280	-	1	279	138	118
\$5,000 to \$24,999	448	-	25	-	-	25	1	1
\$25,000 to \$99,999	271	-	1	-	1	-	1	-
\$100,000 or more	44	-	-	-	-	-	-	-
Commercially mixed formula feeds	1 552	8	147	-	1	146	77	57
farms..								22
\$1,000..	26 256	(D)	186	-	(D)	(D)	76	-
Farms with expenses of—								
\$1 to \$4,999	992	8	146	-	-	146	76	57
\$5,000 to \$24,999	322	-	-	-	-	-	-	-
\$25,000 to \$79,999	192	-	1	-	1	-	1	-
\$80,000 or more	46	-	-	-	-	-	-	-
Seeds, bulbs, plants, and trees	2 429	37	289	-	7	282	656	242
farms..								294
\$1,000..	6 227	64	474	-	29	445	866	-
Farms with expenses of—								
\$1 to \$999	1 651	30	252	-	4	248	442	160
\$1,000 to \$4,999	618	4	25	-	2	23	184	76
\$5,000 to \$24,999	121	3	9	-	1	8	27	4
\$25,000 or more	39	-	3	-	-	3	3	2
Commercial fertilizer	3 858	19	553	-	13	540	757	876
farms..								2 447
\$1,000..	8 953	104	1 126	-	240	886	1 272	-
Farms with expenses of—								
\$1 to \$4,999	3 420	13	515	-	5	510	682	786
\$5,000 to \$24,999	398	6	34	-	5	29	73	77
\$25,000 to \$49,999	28	-	1	-	1	-	2	8
\$50,000 or more	12	-	3	-	2	1	-	5
Agricultural chemicals	3 027	29	301	-	10	291	560	921
farms..								4 180
\$1,000..	7 319	53	610	-	118	491	856	-
Farms with expenses of—								
\$1 to \$4,999	2 719	25	282	-	2	280	517	734
\$5,000 to \$24,999	264	4	15	-	7	8	42	156
\$25,000 to \$49,999	29	-	2	-	1	1	1	20
\$50,000 or more	15	-	2	-	-	2	-	11
Petroleum products	5 859	37	914	-	13	901	756	969
farms..								2 389
\$1,000..	12 042	48	979	-	243	736	1 273	-
Farms with expenses of—								
\$1 to \$4,999	5 436	34	886	-	6	880	715	865
\$5,000 to \$24,999	369	3	23	-	3	20	40	95
\$25,000 to \$49,999	32	-	3	-	2	1	1	6
\$50,000 or more	20	-	2	-	2	-	-	3
Gasoline and gasohol	5 243	36	805	-	13	792	740	886
farms..								1 254
\$1,000..	5 325	18	492	-	70	422	756	-
Diesel fuel	2 743	17	501	-	9	492	320	419
farms..								538
\$1,000..	2 585	13	246	-	22	224	(D)	-
Natural gas	175	4	23	-	-	23	3	39
farms..								54
\$1,000..	841	11	11	-	-	11	(D)	-
LP gas, fuel oil, kerosene, motor oil, grease, etc.	3 773	19	559	-	10	549	542	703
farms..								544
\$1,000..	3 291	6	230	-	151	80	275	-

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>								
Total sales (see text)—Con.								
Hogs and pigs	2	5	276	34	18	11	6	16
\$1,000..... farms..	(D)	31	3 976	65	77	22	3	(D)
Sales of \$50,000 or more	-	-	15	-	-	-	-	-
\$1,000..... farms..	-	-	2 705	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-	-
Sheep, lambs, and wool	14	8	351	43	16	8	25	25
\$1,000..... farms..	5	13	766	12	16	6	10	25
Sales of \$50,000 or more	-	-	1	-	-	-	-	-
\$1,000..... farms..	-	-	(D)	-	-	-	-	-
\$1,000.....	-	-	-	-	-	-	-	-
Other livestock and livestock products (see text)	16	11	131	20	16	8	397	24
\$1,000..... farms..	(D)	4	346	17	73	3	20 641	522
Sales of \$50,000 or more	-	-	2	-	-	-	21	2
\$1,000..... farms..	-	-	(D)	-	-	-	18 470	(D)
\$1,000.....	-	-	-	-	-	-	-	-
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
Total farm production expenses	614	322	1 259	662	467	135	600	41
\$1,000..... farms..	51 803	3 595	13 404	5 861	46 801	18 916	25 072	1 448
Average per farm	84 369	11 163	10 646	8 853	100 217	140 116	41 786	35 324
Livestock and poultry purchased	22	62	567	234	253	120	244	28
\$1,000..... farms..	4	54	2 262	590	2 372	2 123	3 983	43
Farms with expenses of—								
\$1 to \$4,999	22	61	536	217	149	74	126	26
\$5,000 to \$24,999	-	1	19	13	78	23	113	2
\$25,000 to \$99,999	-	-	6	3	26	16	3	-
\$100,000 or more	-	-	6	1	-	7	2	-
Feed for livestock and poultry	51	190	978	494	465	134	456	38
\$1,000..... farms..	28	177	1 889	613	15 957	9 366	5 014	449
Farms with expenses of—								
\$1 to \$4,999	51	188	931	474	22	81	272	33
\$5,000 to \$24,999	-	2	38	20	213	17	150	1
\$25,000 to \$99,999	-	-	7	-	211	17	31	3
\$100,000 or more	-	-	2	-	19	19	3	1
Commercially mixed formula feeds	16	44	405	163	465	134	162	37
\$1,000..... farms..	6	49	(D)	203	13 201	9 347	2 406	371
Farms with expenses of—								
\$1 to \$4,999	16	42	388	156	26	81	120	32
\$5,000 to \$24,999	-	2	13	7	251	17	37	2
\$25,000 to \$79,999	-	-	4	-	166	14	4	2
\$80,000 or more	-	-	-	-	22	22	1	1
Seeds, bulbs, plants, and trees	389	97	271	147	345	41	40	22
\$1,000..... farms..	3 759	67	117	44	537	10	17	21
Farms with expenses of—								
\$1 to \$999	187	71	261	142	161	37	32	18
\$1,000 to \$4,999	114	26	7	5	168	4	7	3
\$5,000 to \$24,999	58	-	2	-	16	-	1	1
\$25,000 or more	30	-	1	-	-	-	-	-
Commercial fertilizer	440	153	496	269	379	60	93	32
\$1,000..... farms..	646	155	466	243	2 549	21	70	97
Farms with expenses of—								
\$1 to \$4,999	422	141	490	266	193	60	91	27
\$5,000 to \$24,999	13	12	4	3	173	-	2	4
\$25,000 to \$49,999	4	-	1	-	11	-	-	1
\$50,000 or more	1	-	1	-	2	-	-	-
Agricultural chemicals	477	101	147	50	324	47	93	27
\$1,000..... farms..	738	258	66	17	513	15	17	13
Farms with expenses of—								
\$1 to \$4,999	458	89	145	50	303	46	93	27
\$5,000 to \$24,999	11	12	2	-	21	1	-	-
\$25,000 to \$49,999	6	-	-	-	-	-	-	-
\$50,000 or more	2	-	-	-	-	-	-	-
Petroleum products	585	305	1 153	604	460	126	514	40
\$1,000..... farms..	3 541	200	833	371	1 853	350	516	61
Farms with expenses of—								
\$1 to \$4,999	482	302	1 139	602	361	111	508	35
\$5,000 to \$24,999	77	1	12	2	96	12	5	5
\$25,000 to \$49,999	12	2	2	-	2	3	1	-
\$50,000 or more	14	-	-	-	1	-	-	-
Gasoline and gasohol	497	288	977	526	417	122	437	38
\$1,000..... farms..	888	84	508	244	846	144	302	34
Diesel fuel	238	124	488	262	367	47	215	7
\$1,000..... farms..	338	44	209	81	732	79	131	(D)
Natural gas	58	-	3	1	14	21	8	2
\$1,000..... farms..	670	-	3	(D)	20	62	6	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc.	387	108	565	291	446	94	325	25
\$1,000..... farms..	1 645	72	112	(D)	255	65	76	9

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
—Con.								
Total farm production expenses—Con.								
Electricity ----- farms...	4 286	34	627	-	13	614	456	619
\$1,000...	5 959	11	221	-	28	193	291	1 051
Farms with expenses of—								
\$1 to \$999 .....	3 151	32	604	-	7	597	374	370
\$1,000 to \$4,999 .....	895	2	20	-	4	16	78	201
\$5,000 to \$24,999 .....	225	-	3	-	2	1	4	44
\$25,000 or more .....	15	-	-	-	-	-	-	4
Hired farm labor ----- farms...	2 185	8	200	-	11	189	296	518
\$1,000...	66 579	40	2 804	-	1 889	915	4 080	19 444
Farms with expenses of—								
\$1 to \$4,999 .....	1 095	6	170	-	2	168	135	229
\$5,000 to \$24,999 .....	617	2	17	-	-	16	111	136
\$25,000 to \$99,999 .....	362	-	7	-	4	3	46	113
\$100,000 or more .....	111	-	6	-	4	2	4	40
Contract labor ----- farms...	1 025	1	66	-	-	66	87	396
\$1,000...	7 906	(D)	153	-	-	153	638	3 378
Farms with expenses of—								
\$1 to \$999 .....	408	-	43	-	-	43	33	125
\$1,000 to \$4,999 .....	332	1	17	-	-	17	19	149
\$5,000 to \$24,999 .....	231	-	5	-	-	5	29	94
\$25,000 or more .....	54	-	1	-	-	1	6	28
Repair and maintenance ----- farms...	5 222	35	763	-	11	752	647	929
\$1,000...	16 873	86	1 391	-	168	1 223	1 698	4 303
Farms with expenses of—								
\$1 to \$4,999 .....	4 353	33	705	-	4	701	557	738
\$5,000 to \$24,999 .....	785	1	55	-	5	50	88	166
\$25,000 to \$49,999 .....	55	1	2	-	2	-	1	10
\$50,000 or more .....	29	-	1	-	-	1	1	15
Customwork, machine hire, and rental of machinery and equipment ----- farms...	1 276	16	144	-	3	141	135	357
\$1,000...	3 570	13	171	-	21	150	186	1 983
Farms with expenses of—								
\$1 to \$999 .....	781	12	95	-	-	95	80	183
\$1,000 to \$4,999 .....	362	3	40	-	2	38	48	115
\$5,000 to \$24,999 .....	115	1	8	-	1	7	7	46
\$25,000 or more .....	18	-	1	-	-	1	-	13
Interest expense ----- farms...	1 981	17	216	-	4	212	212	332
\$1,000...	13 788	82	908	-	143	765	766	3 978
Farms with expenses of—								
\$1 to \$4,999 .....	1 395	10	149	-	-	149	165	198
\$5,000 to \$24,999 .....	485	7	61	-	1	60	42	104
\$25,000 to \$99,999 .....	88	-	6	-	3	3	5	25
\$100,000 or more .....	13	-	-	-	-	-	-	5
Secured by real estate ----- farms...	1 410	15	137	-	2	135	155	267
\$1,000...	10 563	57	633	-	(D)	(D)	545	3 296
Farms with expenses of—								
\$1 to \$999 .....	281	-	11	-	-	11	33	61
\$1,000 to \$4,999 .....	659	12	78	-	-	78	87	91
\$5,000 to \$24,999 .....	391	3	45	-	1	44	31	89
\$25,000 or more .....	79	-	3	-	1	2	4	26
Not secured by real estate ----- farms...	950	5	118	-	3	115	86	136
\$1,000...	3 225	25	275	-	(D)	(D)	221	681
Farms with expenses of—								
\$1 to \$999 .....	440	-	49	-	-	49	36	64
\$1,000 to \$4,999 .....	375	3	56	-	-	56	39	44
\$5,000 to \$24,999 .....	112	2	11	-	1	10	10	22
\$25,000 or more .....	23	-	2	-	2	-	1	6
Cash rent ----- farms...	1 092	7	138	-	5	133	212	84
\$1,000...	3 848	18	297	-	150	147	498	853
Farms with expenses of—								
\$1 to \$4,999 .....	918	6	130	-	2	128	183	48
\$5,000 to \$9,999 .....	86	1	4	-	1	3	21	5
\$10,000 to \$24,999 .....	65	-	2	-	-	2	8	24
\$25,000 or more .....	23	-	2	-	2	-	-	7
Property taxes ----- farms...	5 817	36	926	-	13	913	691	942
\$1,000...	15 219	58	1 859	-	50	1 809	1 244	4 168
Farms with expenses of—								
\$1 to \$4,999 .....	5 240	34	888	-	7	881	670	757
\$5,000 to \$9,999 .....	397	2	32	-	6	26	17	114
\$10,000 to \$24,999 .....	150	-	6	-	-	6	4	56
\$25,000 or more .....	30	-	-	-	-	-	-	15
All other farm production expenses ----- farms...	5 700	37	850	-	13	837	715	995
\$1,000...	38 248	88	1 800	-	319	1 481	2 952	10 663
Farms with expenses of—								
\$1 to \$4,999 .....	4 694	33	813	-	6	807	604	745
\$5,000 to \$24,999 .....	744	3	29	-	2	27	82	179
\$25,000 to \$49,999 .....	143	1	2	-	2	-	19	35
\$50,000 or more .....	119	-	6	-	3	3	10	36

See footnotes at end of table.

Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>								
—Con.								
Total farm production expenses—Con.								
Electricity ----- farms..	465	139	914	457	465	98	434	35
\$1,000..	1 283	82	286	146	1 523	582	604	25
Farms with expenses of—								
\$1 to \$999 .....	292	110	860	425	83	51	346	29
\$1,000 to \$4,999 .....	113	29	51	32	284	28	84	5
\$5,000 to \$24,999 .....	54	-	3	-	98	15	3	1
\$25,000 or more .....	6	-	-	-	-	4	-	-
Hired farm labor ----- farms..	320	50	242	140	320	50	172	9
\$1,000..	22 120	826	971	523	6 957	2 615	6 527	194
Farms with expenses of—								
\$1 to \$4,999 .....	109	19	208	117	73	18	124	4
\$5,000 to \$24,999 .....	98	21	17	10	160	13	40	2
\$25,000 to \$99,999 .....	70	9	15	13	81	13	5	3
\$100,000 or more .....	43	1	2	-	6	6	3	-
Contract labor ----- farms..	109	41	91	26	109	18	136	10
\$1,000..	2 425	223	(D)	40	316	128	398	160
Farms with expenses of—								
\$1 to \$999 .....	16	14	58	18	23	6	82	8
\$1,000 to \$4,999 .....	35	10	33	8	26	6	35	1
\$5,000 to \$24,999 .....	42	16	-	-	21	5	19	-
\$25,000 or more .....	16	1	-	-	-	1	-	1
Repair and maintenance ----- farms..	542	257	993	543	441	130	450	35
\$1,000..	2 798	397	1 390	819	3 013	414	1 294	88
Farms with expenses of—								
\$1 to \$4,999 .....	401	234	941	510	231	101	381	31
\$5,000 to \$24,999 .....	122	22	50	33	192	26	60	3
\$25,000 to \$49,999 .....	9	1	1	-	17	3	9	1
\$50,000 or more .....	10	-	1	-	1	-	-	-
Customwork, machine hire, and rental of machinery and equipment ----- farms..	112	79	203	102	134	11	74	11
\$1,000..	522	66	180	70	350	18	73	7
Farms with expenses of—								
\$1 to \$999 .....	73	70	132	77	50	9	68	9
\$1,000 to \$4,999 .....	18	2	70	25	60	-	4	2
\$5,000 to \$24,999 .....	17	7	1	-	24	2	2	-
\$25,000 or more .....	4	-	-	-	-	-	-	-
Interest expense ----- farms..	310	35	313	140	288	36	218	4
\$1,000..	2 771	68	843	317	2 546	746	1 038	43
Farms with expenses of—								
\$1 to \$4,999 .....	217	33	270	125	159	22	170	2
\$5,000 to \$24,999 .....	68	2	42	15	103	10	45	1
\$25,000 to \$99,999 .....	19	-	1	-	26	2	3	1
\$100,000 or more .....	6	-	-	-	-	2	-	-
Secured by real estate ----- farms..	230	19	217	76	233	18	118	1
\$1,000..	2 084	(D)	599	204	2 022	474	824	(D)
Farms with expenses of—								
\$1 to \$999 .....	58	8	66	21	39	1	4	-
\$1,000 to \$4,999 .....	94	11	123	41	88	7	67	1
\$5,000 to \$24,999 .....	56	-	28	14	87	7	45	-
\$25,000 or more .....	22	-	-	-	19	3	2	-
Not secured by real estate ----- farms..	124	29	153	95	118	27	151	3
\$1,000..	687	(D)	243	113	524	272	213	(D)
Farms with expenses of—								
\$1 to \$999 .....	58	15	76	54	32	16	93	1
\$1,000 to \$4,999 .....	39	13	73	41	46	5	57	-
\$5,000 to \$24,999 .....	21	1	3	-	38	3	-	1
\$25,000 or more .....	6	-	1	-	2	3	1	1
Cash rent ----- farms..	72	53	170	95	285	8	60	3
\$1,000..	417	141	183	60	997	148	231	65
Farms with expenses of—								
\$1 to \$4,999 .....	56	42	169	95	227	4	51	2
\$5,000 to \$9,999 .....	6	11	-	-	31	1	6	-
\$10,000 to \$24,999 .....	5	-	1	-	23	2	-	-
\$25,000 or more .....	5	-	-	-	4	1	3	1
Property taxes ----- farms..	572	302	1 178	601	447	130	555	38
\$1,000..	1 796	425	2 365	1 348	1 561	384	1 275	85
Farms with expenses of—								
\$1 to \$4,999 .....	475	301	1 101	549	363	111	504	36
\$5,000 to \$9,999 .....	64	-	55	34	70	14	29	-
\$10,000 to \$24,999 .....	26	1	21	18	11	2	21	2
\$25,000 or more .....	7	-	1	-	3	3	1	-
All other farm production expenses ----- farms..	594	205	1 111	606	467	135	550	41
\$1,000..	8 955	455	1 469	660	5 759	1 996	4 013	98
Farms with expenses of—								
\$1 to \$4,999 .....	412	192	1 087	595	190	110	470	38
\$5,000 to \$24,999 .....	130	10	20	11	205	16	68	2
\$25,000 to \$49,999 .....	17	1	1	-	53	3	10	1
\$50,000 or more .....	35	2	3	-	19	6	2	-

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)					Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)			
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>									
All farms.....	number... 6 216	37	967	-	13	954	757	1 017	
	\$1,000... 84 172	-15	597	-	1 012	-415	10 634	33 891	
Average per farm.....	dollars... 13 541	-393	617	-	77 832	-435	14 047	33 325	
Farms with net gains <sup>2</sup> .....	number... 3 017	23	404	-	11	393	600	665	
Average net gain.....	dollars... 35 387	4 901	8 368	-	95 377	5 932	18 715	53 350	
Gain of—									
Less than \$1,000.....	374	-	81	-	-	81	40	65	
\$1,000 to \$9,999.....	1 131	21	243	-	3	240	229	240	
\$10,000 to \$49,999.....	1 077	2	70	-	3	67	283	215	
\$50,000 or more.....	435	-	10	-	5	5	48	145	
Farms with net losses.....	number... 3 199	14	563	-	2	561	157	352	
Average net loss.....	dollars... 7 062	9 089	4 944	-	(D)	(D)	3 793	4 508	
Loss of—									
Less than \$1,000.....	463	1	115	-	-	115	49	51	
\$1,000 to \$9,999.....	2 195	11	383	-	-	383	99	273	
\$10,000 to \$49,999.....	490	1	65	-	2	63	9	27	
\$50,000 or more.....	51	1	-	-	-	-	-	1	
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>									
Government payments.....	farms... 400	10	52	-	-	52	51	19	
	\$1,000... 2 213	95	379	-	-	379	97	29	
Other farm-related income <sup>1</sup> .....	farms... 1 361	5	314	-	5	309	154	177	
	\$1,000... 5 802	41	835	-	5	830	558	1 057	
Customwork and other agricultural services.....	farms... 449	2	124	-	-	124	73	65	
	\$1,000... 2 163	(D)	269	-	-	269	321	409	
Gross cash rent or share payments.....	farms... 300	2	96	-	5	91	44	24	
	\$1,000... 477	(D)	129	-	5	124	36	61	
Forest products and Christmas trees.....	farms... 570	-	81	-	-	81	88	76	
	\$1,000... 1 780	-	209	-	-	209	174	314	
Other farm-related income sources.....	farms... 368	1	62	-	-	62	36	41	
	\$1,000... 1 382	(D)	228	-	-	228	28	273	
<b>COMMODITY CREDIT CORPORATION LOANS</b>									
Total.....	farms... 8	2	-	-	-	-	-	-	
	\$1,000... 159	(D)	-	-	-	-	-	-	
Corn.....	farms... 5	2	-	-	-	-	-	-	
	\$1,000... (D)	(D)	-	-	-	-	-	-	
Wheat.....	farms... -	-	-	-	-	-	-	-	
	\$1,000... -	-	-	-	-	-	-	-	
Soybeans.....	farms... -	-	-	-	-	-	-	-	
	\$1,000... -	-	-	-	-	-	-	-	
Sorghum, barley, and oats.....	farms... -	-	-	-	-	-	-	-	
	\$1,000... -	-	-	-	-	-	-	-	
Cotton.....	farms... -	-	-	-	-	-	-	-	
	\$1,000... -	-	-	-	-	-	-	-	
Peanuts, rye, rice, tobacco, and honey.....	farms... 3	-	-	-	-	-	-	-	
	\$1,000... (D)	-	-	-	-	-	-	-	
<b>LAND IN FARMS ACCORDING TO USE</b>									
Total cropland.....	farms... 5 654	25	975	-	14	961	678	956	
	acres... 272 588	3 563	55 367	-	1 124	54 243	21 750	27 843	
Harvested cropland.....	farms... 5 084	25	975	-	14	961	678	956	
	acres... 194 874	2 813	41 850	-	763	41 087	17 238	23 339	
Farms by acres harvested:									
1 to 49 acres.....	4 028	16	738	-	11	727	575	848	
50 to 99 acres.....	544	-	140	-	-	140	61	63	
100 to 199 acres.....	336	4	72	-	2	70	37	29	
200 to 499 acres.....	153	3	23	-	1	22	5	13	
500 to 999 acres.....	21	2	2	-	-	2	-	2	
1,000 to 1,999 acres.....	1	-	-	-	-	-	-	1	
2,000 acres or more.....	1	-	-	-	-	-	-	-	
Cropland:									
Pasture or grazing only.....	farms... 2 164	8	344	-	1	343	95	91	
	acres... 52 884	223	7 784	-	(D)	(D)	1 705	1 435	
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....	farms... 362	3	67	-	5	62	65	57	
	acres... 6 986	(D)	2 391	-	100	2 291	745	1 013	
On which all crops failed.....	farms... 208	1	25	-	-	25	80	30	
	acres... 1 531	(D)	220	-	-	220	597	120	
In cultivated summer fallow.....	farms... 73	1	12	-	3	9	13	9	
	acres... 946	(D)	161	-	(D)	(D)	60	47	
Idle.....	farms... 857	7	135	-	5	130	144	154	
	acres... 15 367	314	2 961	-	148	2 813	1 405	1 889	
Total woodland.....	farms... 3 382	14	645	-	7	638	289	513	
	acres... 225 442	(D)	50 150	-	469	49 681	10 190	32 020	
Woodland pastured.....	farms... 1 049	2	182	-	3	179	47	63	
	acres... 35 745	(D)	6 122	-	206	5 916	1 209	1 933	
Woodland not pastured.....	farms... 2 933	14	572	-	5	567	264	477	
	acres... 189 697	2 102	44 028	-	263	43 765	8 981	30 087	

See footnotes at end of table.



Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT<sup>1</sup></b>								
All farms..... number.....	614	322	1 259	662	467	135	600	41
..... \$1,000.....	25 637	1 129	-3 970	-2 311	16 151	3 470	-3 625	273
Average per farm..... dollars.....	41 754	3 505	-3 153	-3 491	34 584	25 707	-6 042	6 660
Farms with net gains <sup>2</sup> ..... number.....	446	39	293	129	426	44	69	8
Average net gain..... dollars.....	59 432	56 520	6 142	5 546	39 878	90 604	67 069	56 027
Gain of—								
Less than \$1,000.....	35	8	124	73	4	-	17	-
\$1,000 to \$9,999.....	166	2	130	39	70	8	19	3
\$10,000 to \$49,999.....	155	17	35	15	252	19	26	3
\$50,000 or more.....	90	12	4	2	100	17	7	2
Farms with net losses..... number.....	168	283	966	533	41	91	531	33
Average net loss..... dollars.....	5 177	3 801	5 973	5 678	20 423	5 672	15 542	5 308
Loss of—								
Less than \$1,000.....	30	16	156	94	-	16	23	6
\$1,000 to \$9,999.....	102	253	670	353	10	63	306	25
\$10,000 to \$49,999.....	35	14	139	86	27	10	161	2
\$50,000 or more.....	1	-	1	-	4	2	41	-
<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>								
Government payments..... farms.....	4	13	111	24	120	1	9	10
..... \$1,000.....	(D)	27	298	195	1 254	(D)	17	18
Other farm-related income <sup>1</sup> ..... farms.....	85	40	272	148	165	71	65	13
..... \$1,000.....	446	290	802	367	945	140	646	42
Customwork and other agricultural services..... farms.....	12	12	111	66	41	1	5	3
..... \$1,000.....	15	47	364	157	297	(D)	392	(D)
Gross cash rent or share payments..... farms.....	17	14	83	58	4	14	2	-
..... \$1,000.....	14	43	160	88	5	(D)	(D)	-
Forest products and Christmas trees..... farms.....	57	17	115	61	57	35	34	10
..... \$1,000.....	306	50	169	80	453	39	50	17
Other farm-related income sources..... farms.....	17	6	51	34	102	22	28	2
..... \$1,000.....	111	150	110	43	191	70	(D)	(D)
<b>COMMODITY CREDIT CORPORATION LOANS</b>								
Total..... farms.....	-	-	-	-	3	-	3	-
..... \$1,000.....	-	-	-	-	(D)	-	(D)	-
Corn..... farms.....	-	-	-	-	3	-	-	-
..... \$1,000.....	-	-	-	-	(D)	-	-	-
Wheat..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Soybeans..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Sorghum, barley, and oats..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Cotton..... farms.....	-	-	-	-	-	-	-	-
..... \$1,000.....	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey..... farms.....	-	-	-	-	-	-	3	-
..... \$1,000.....	-	-	-	-	-	-	(D)	-
<b>LAND IN FARMS ACCORDING TO USE</b>								
Total cropland..... farms.....	630	274	1 029	511	532	90	391	74
..... acres.....	7 395	9 117	41 999	23 030	89 077	1 690	8 482	6 305
Harvested cropland..... farms.....	630	272	770	395	505	62	140	71
..... acres.....	5 116	6 034	23 271	12 746	68 402	1 013	3 109	2 689
Farms by acres harvested:								
1 to 49 acres.....	611	249	661	326	91	57	125	57
50 to 99 acres.....	11	11	75	48	163	2	9	9
100 to 199 acres.....	5	10	25	16	146	3	3	2
200 to 499 acres.....	2	2	8	5	92	-	3	2
500 to 999 acres.....	1	-	-	-	13	-	-	1
1,000 to 1,999 acres.....	-	-	-	-	-	-	-	-
2,000 acres or more.....	-	-	1	-	-	-	-	-
Cropland:								
Pasture or grazing only..... farms.....	50	119	711	358	345	46	304	51
..... acres.....	664	2 173	15 688	8 776	17 118	413	4 429	1 252
In cover crops, legumes, and soil-improvement grasses, not harvested and not pastured..... farms.....	34	17	52	27	46	5	8	8
..... acres.....	450	176	567	264	1 246	24	(D)	170
On which all crops failed..... farms.....	7	8	34	15	12	-	10	1
..... acres.....	17	96	244	104	118	-	(D)	(D)
In cultivated summer fallow..... farms.....	9	6	12	7	5	-	1	5
..... acres.....	86	200	210	177	65	-	(D)	(D)
Idle..... farms.....	103	41	114	49	73	16	57	13
..... acres.....	1 062	438	2 019	963	2 128	240	752	2 159
Total woodland..... farms.....	155	172	794	367	398	70	286	46
..... acres.....	(D)	9 284	48 411	24 160	49 209	4 195	11 911	2 553
Woodland pastured..... farms.....	28	46	351	185	196	27	89	18
..... acres.....	(D)	824	11 376	6 737	11 292	830	1 008	576
Woodland not pastured..... farms.....	138	155	640	280	336	61	241	35
..... acres.....	4 842	8 460	37 035	17 423	37 917	3 365	10 903	1 977

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>								
Pastureland and rangeland other than cropland and woodland pastured	farms... 1 269 acres... 44 998	1 (D)	210 5 924	-	2 (D)	208 (D)	68 1 456	91 12 897
Land in house lots, ponds, roads, wasteland, etc.	farms... 4 123 acres... 72 157	18 (D)	616 12 605	-	13 (D)	603 (D)	406 4 172	687 20 824
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs	farms... 23 acres... 829	6 422	1 (D)	-	-	1 (D)	1 (D)	-
Conservation reserve program	farms... 19 acres... 677	-	6 277	-	-	6 277	-	-
Value of land and buildings <sup>1</sup>	farms... 6 216 \$1,000... 2 154 033	37 10 455	967 369 492	-	13 5 820	954 363 672	757 223 008	1 017 360 456
Average per farm	dollars... 346 530	282 568	382 101	-	447 692	381 208	294 594	354 431
Average per acre	dollars... 3 553	1 764	3 097	-	2 926	3 100	4 905	3 633
Farms by value group:								
\$1 to \$39,999	640	17	59	-	1	58	58	50
\$40,000 to \$69,999	488	-	67	-	-	67	52	116
\$70,000 to \$99,999	455	1	33	-	1	32	76	99
\$100,000 to \$149,999	771	1	135	-	1	134	87	137
\$150,000 to \$199,999	761	10	126	-	3	123	113	112
\$200,000 to \$499,999	1 921	4	299	-	2	297	270	301
\$500,000 to \$999,999	786	1	161	-	3	158	65	142
\$1,000,000 to \$1,999,999	268	1	75	-	2	73	25	36
\$2,000,000 to \$4,999,999	114	2	11	-	-	11	10	22
\$5,000,000 or more	12	-	1	-	-	1	1	2
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Estimated market value of all machinery and equipment	farms... 6 207 \$1,000... 198 868	37 1 078	960 22 099	-	13 884	947 21 215	757 25 891	1 017 43 830
Farms by value group:								
\$1 to \$4,999	679	16	126	-	2	124	98	80
\$5,000 to \$9,999	1 426	9	215	-	-	215	143	231
\$10,000 to \$19,999	1 271	1	242	-	1	241	98	205
\$20,000 to \$49,999	1 701	3	256	-	4	252	250	272
\$50,000 to \$99,999	704	4	95	-	1	94	118	108
\$100,000 to \$199,999	327	4	21	-	5	16	39	96
\$200,000 to \$499,999	86	-	5	-	-	5	11	19
\$500,000 or more	13	-	-	-	-	-	-	6
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Motortrucks, including pickups	farms... 5 204 number... 10 957	21 51	746 1 448	-	9 64	737 1 384	678 1 500	855 2 047
Wheel tractors	farms... 5 360 number... 13 160	37 69	874 2 329	-	13 53	861 2 276	686 1 932	839 1 764
Less than 40 horsepower (PTO)	farms... 4 235 number... 7 624	16 22	698 1 386	-	8 20	690 1 366	612 1 198	700 1 145
40 horsepower (PTO) or more	farms... 2 915 number... 5 536	25 47	565 943	-	12 33	553 910	398 734	370 619
Grain and bean combines	farms... 52 number... 60	4 4	5 6	-	-	5 6	5 7	1 (D)
Cottonpickers and strippers	farms... - number... -	-	-	-	-	-	-	-
Mower conditioners	farms... 1 586 number... 1 783	6 8	423 450	-	2 (D)	421 (D)	113 133	101 125
Pickup balers	farms... 1 820 number... 1 993	22 25	559 615	-	2 (D)	557 (D)	125 126	57 59
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>								
Commercial fertilizer	farms... 3 858 acres on which used... 138 832	19 2 416	553 20 810	-	13 636	540 20 174	757 17 177	876 20 629
Lime	farms... 1 339 acres on which used... 23 208	21 479	172 4 484	-	7 230	165 4 254	912 4 790	116 1 292
Sprays, dusts, granules, fumigants, etc., to control—	tons... 33 838	676	6 325	-	214	6 111	7 188	1 784
Insects on hay and other crops	farms... 2 049 acres on which used... 49 252	14 1 287	147 4 235	-	10 528	137 3 707	463 10 556	816 19 529
Nematodes in crops	farms... 152 acres on which used... 5 212	1 (D)	18 1 000	-	6 316	12 684	25 344	50 1 541
Diseases in crops and orchards	farms... 1 093 acres on which used... 25 050	2 (D)	70 2 176	-	4 179	66 1 997	153 3 809	608 15 382
Weeds, grass, or brush in crops and pasture	farms... 1 690 acres on which used... 57 337	17 1 933	190 5 770	-	5 246	185 5 524	350 8 673	513 10 962
Chemicals for defoliation or for growth control of crops or thinning of fruit	farms... 255 acres on which used... 5 928	1 (D)	24 416	-	-	24 416	32 186	160 4 433

See footnotes at end of table.

Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>								
Pastureland and rangeland other than cropland and woodland pastured..... farms... acres... (D)	42	72	378	176	148	35	201	23
Land in house lots, ponds, roads, wasteland, etc. .... farms... acres... (D)	401	185	811	357	339	111	489	60
Cropland under federal acreage reduction programs:								
Annual commodity acreage adjustment programs..... farms... acres... (D)	-	2	2	-	11	-	-	-
Conservation reserve program..... farms... acres... (D)	-	-	4	4	307	1	4	2
Value of land and buildings <sup>1</sup> ..... farms... \$1,000..... dollars..... dollars	614 195 763 318 832 11 977	322 81 643 253 550 3 991	1 259 337 011 267 681 2 776	662 201 899 304 983 2 777	467 335 932 719 340 2 402	135 30 549 226 289 3 546	600 128 687 214 478 6 205	41 81 037 1 976 512 9 093
Farms by value group:								
\$1 to \$39,999.....	66	29	180	83	26	21	133	1
\$40,000 to \$69,999.....	59	18	105	39	4	18	49	-
\$70,000 to \$99,999.....	28	62	93	57	10	24	23	6
\$100,000 to \$149,999.....	103	27	124	73	19	16	114	8
\$150,000 to \$199,999.....	60	45	209	106	34	9	42	1
\$200,000 to \$499,999.....	194	97	388	195	142	35	171	20
\$500,000 to \$999,999.....	64	28	106	67	146	10	62	1
\$1,000,000 to \$1,999,999.....	30	16	34	31	46	-	3	2
\$2,000,000 to \$4,999,999.....	8	-	20	11	37	2	2	-
\$5,000,000 or more.....	2	-	-	-	3	-	1	2
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Estimated market value of all machinery and equipment..... farms... \$1,000.....	614 22 860	322 4 916	1 259 23 971	662 12 494	466 34 483	135 5 308	599 12 433	41 2 000
Farms by value group:								
\$1 to \$4,999.....	74	41	143	39	11	16	66	8
\$5,000 to \$9,999.....	136	124	352	222	18	24	168	6
\$10,000 to \$19,999.....	140	105	310	146	40	32	82	16
\$20,000 to \$49,999.....	144	28	368	212	117	38	220	5
\$50,000 to \$99,999.....	59	21	74	41	151	15	58	1
\$100,000 to \$199,999.....	39	2	7	1	108	5	3	3
\$200,000 to \$499,999.....	17	1	5	1	21	4	2	1
\$500,000 or more.....	5	-	-	-	-	1	-	1
<b>SELECTED MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Motortrucks, including pickups..... farms... number... (D)	531 1 339	257 470	1 006 1 682	502 795	448 1 300	112 228	510 802	40 90
Wheel tractors..... farms... number... (D)	480 1 323	287 578	1 075 2 197	598 1 270	432 1 869	103 193	506 813	41 93
Less than 40 horsepower (PTO)..... farms... number... (D)	394 850	248 417	818 1 293	445 746	253 594	83 123	381 550	32 46
40 horsepower (PTO) or more..... farms... number... (D)	206 473	114 161	572 904	338 524	379 1 275	32 70	228 263	26 47
Grain and bean combines..... farms... number... (D)	1 (D)	- -	11 13	8 8	23 26	1 (D)	- -	1 (D)
Cottonpickers and strippers..... farms... number... (D)	- -	- -	- -	- -	- -	- -	- -	- -
Mower conditioners..... farms... number... (D)	35 42	62 68	408 451	228 253	346 405	23 25	54 60	15 16
Pickup balers..... farms... number... (D)	23 24	112 118	486 518	306 329	367 438	25 25	29 29	15 16
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>								
Commercial fertilizer..... farms... acres on which used... (D)	440 3 812	153 3 213	496 12 628	269 7 686	379 53 860	60 667	93 1 508	32 2 112
Lime..... farms... acres on which used... (D)	135 1 339 1 353	84 1 468 2 299	238 2 687 4 104	109 1 656 2 422	155 4 845 8 152	11 25 34	74 733 1 028	21 1 066 895
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops..... farms... acres on which used... (D)	394 2 558	82 2 236	29 693	3 333	81 7 871	11 (D)	2 (D)	10 116
Nematodes in crops..... farms... acres on which used... (D)	16 43	2 (D)	- -	- -	30 1 731	9 10	- -	1 (D)
Diseases in crops and orchards..... farms... acres on which used... (D)	144 763	55 1 625	5 69	2 (D)	9 317	24 54	21 98	2 (D)
Weeds, grass, or brush in crops and pasture..... farms... acres on which used... (D)	158 1 593	66 1 941	64 3 026	36 838	285 22 206	25 433	19 472	3 328
Chemicals for defoliation or for growth control of crops or thinning of fruit..... farms... acres on which used... (D)	22 56	8 (D)	- -	- -	8 685	- -	- -	- -

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Field crops, except cash grains (013)							
	Total	Cash grains (011)	Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	Vegetables and melons (016)	Fruits and tree nuts (017)
<b>TENURE AND RACE OF OPERATOR</b>								
All operators .....	6 216	25	975	-	14	961	678	956
Full owners .....	4 313	15	663	-	9	654	379	804
Part owners .....	1 449	9	256	-	3	253	215	94
Tenants .....	454	1	56	-	2	54	84	58
White .....	6 190	25	973	-	14	959	677	947
Full owners .....	4 294	15	663	-	9	654	379	796
Part owners .....	1 445	9	254	-	3	251	215	93
Tenants .....	451	1	56	-	2	54	83	58
Black and other races .....	26	-	2	-	-	2	1	9
Full owners .....	19	-	-	-	-	-	-	8
Part owners .....	4	-	2	-	-	2	-	1
Tenants .....	3	-	-	-	-	-	1	-
<b>OWNED AND RENTED LAND</b>								
Land owned .....	5 764	24	920	-	12	908	595	898
farms... ..	505 108	3 433	105 365	-	1 350	104 015	27 212	88 768
acres... ..	5 762	24	919	-	12	907	594	898
Owned land in farms .....	491 079	3 342	102 077	-	1 178	100 899	26 385	87 941
Land rented or leased from others .....	1 922	11	316	-	5	311	301	153
farms... ..	125 835	2 654	22 558	-	850	21 708	11 219	5 674
acres... ..	1 903	10	312	-	5	307	299	152
Rented or leased land in farms .....	124 106	2 645	21 969	-	850	21 119	11 183	5 643
acres... ..	402	7	83	-	6	77	50	31
Land rented or leased to others .....	15 758	100	3 877	-	172	3 705	863	858
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated .....	4 918	19	816	-	9	807	530	611
Not on farm operated .....	960	4	95	-	4	91	105	305
Not reported .....	338	2	64	-	1	83	43	40
Operators by principal occupation:								
Farming .....	3 174	14	397	-	9	388	425	540
Other .....	3 042	11	578	-	5	573	253	416
Operators by days of work off farm:								
None .....	2 371	8	278	-	4	274	303	361
Any .....	3 516	13	625	-	9	616	336	552
1 to 99 days .....	552	2	86	-	1	85	91	104
100 to 199 days .....	681	4	131	-	1	130	77	112
200 days or more .....	2 283	7	408	-	7	401	168	336
Not reported .....	329	4	72	-	1	71	39	43
Operators by years on present farm:								
2 years or less .....	249	-	37	-	-	37	40	48
3 or 4 years .....	449	4	40	-	-	40	39	72
5 to 9 years .....	1 165	5	136	-	4	132	116	210
10 years or more .....	3 421	10	587	-	9	578	373	526
Average years on present farm .....	18.8	19.5	23.0	-	22.1	23.1	20.6	17.2
Not reported .....	932	6	175	-	1	174	110	100
Operators by age group:								
Under 25 years .....	50	-	10	-	-	10	16	3
25 to 34 years .....	590	2	64	-	-	64	85	84
35 to 44 years .....	1 477	11	179	-	3	176	135	223
45 to 49 years .....	687	2	99	-	1	98	52	114
50 to 54 years .....	642	1	96	-	2	94	49	110
55 to 59 years .....	642	1	93	-	1	92	80	95
60 to 64 years .....	663	3	113	-	3	110	85	92
65 to 69 years .....	595	2	122	-	2	120	69	75
70 years and over .....	870	3	199	-	2	197	107	160
Average age .....	52.6	49.5	56.2	-	55.8	56.2	52.9	53.1
Operators by sex:								
Male .....	5 415	24	897	-	13	884	633	862
Female .....	801	1	78	-	1	77	45	94
Operators of Spanish origin (see text) .....	24	-	5	-	-	5	3	5
<b>FARMS BY TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship) .....	5 124	23	861	-	9	852	564	732
farms... ..	431 487	(D)	101 647	-	765	100 882	28 179	43 724
acres... ..	481	2	75	-	1	74	73	69
Partnership .....	73 006	(D)	12 273	-	(D)	(D)	6 072	10 151
Corporation:								
Family held .....	493	-	22	-	2	20	34	131
farms... ..	81 497	-	5 805	-	(D)	(D)	3 107	34 512
acres... ..	4	-	-	-	-	-	-	2
More than 10 stockholders .....	489	-	22	-	2	20	34	129
10 or less stockholders .....	51	-	6	-	-	4	4	12
Other than family held .....	5 038	-	1 370	-	(D)	(D)	44	1 872
farms... ..	6	-	1	-	-	1	-	1
acres... ..	45	-	5	-	2	3	4	11
More than 10 stockholders .....								
10 or less stockholders .....								
Other—cooperative, estate or trust, institutional, etc. .....	67	-	11	-	-	11	3	12
farms... ..	24 157	-	2 951	-	-	2 951	166	3 325
acres... ..								

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>TENURE AND RACE OF OPERATOR</b>								
All operators -----	630	274	1 233	585	556	134	676	79
Full owners -----	492	207	906	420	147	111	536	53
Part owners -----	78	56	278	136	344	12	86	21
Tenants -----	60	11	49	29	65	11	54	5
White -----	630	272	1 227	583	553	133	674	79
Full owners -----	492	205	900	418	147	110	534	53
Part owners -----	78	56	278	136	343	12	86	21
Tenants -----	60	11	49	29	63	11	54	5
Black and other races -----	-	2	6	2	3	1	2	-
Full owners -----	-	2	6	2	1	1	2	-
Part owners -----	-	-	-	-	-	-	-	-
Tenants -----	-	-	-	-	2	-	-	-
<b>OWNED AND RENTED LAND</b>								
Land owned ----- farms..	570	263	1 184	556	491	123	622	74
acres..	14 236	18 989	104 487	51 956	101 877	6 727	24 351	9 683
Owned land in farms ----- farms..	570	263	1 184	556	491	123	622	74
acres..	13 844	18 579	99 390	49 025	100 328	6 443	23 353	9 397
Land rented or leased from others ----- farms..	138	67	335	173	411	24	140	26
acres..	3 502	4 573	14 984	8 800	51 879	1 787	4 932	2 073
Rented or leased land in farms ----- farms..	138	67	327	165	409	23	140	26
acres..	3 459	4 513	14 431	8 270	51 717	1 647	4 826	2 073
Land rented or leased to others ----- farms..	27	25	109	67	25	8	31	6
acres..	435	470	5 630	3 481	1 711	424	1 104	286
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated -----	427	230	1 071	499	457	109	577	71
Not on farm operated -----	168	22	103	54	64	19	70	5
Not reported -----	35	22	59	32	35	6	29	3
Operators by principal occupation:								
Farming -----	362	73	460	218	507	73	287	36
Other -----	268	201	773	367	49	61	389	43
Operators by days of work off farm:								
None -----	322	75	327	160	406	58	215	18
Any -----	271	190	855	391	118	64	434	58
1 to 99 days -----	55	20	81	36	39	5	55	14
100 to 199 days -----	59	31	139	61	22	11	78	17
200 days or more -----	157	139	635	294	57	48	301	27
Not reported -----	37	9	51	34	32	12	27	3
Operators by years on present farm:								
2 years or less -----	16	11	37	15	9	2	45	4
3 or 4 years -----	40	5	99	34	41	7	96	6
5 to 9 years -----	124	45	236	91	77	32	162	22
10 years or more -----	365	162	649	317	333	70	303	43
Average years on present farm -----	18.3	21.2	17.8	19.9	22.2	17.5	12.9	18.2
Not reported -----	85	51	212	128	96	23	70	4
Operators by age group:								
Under 25 years -----	3	1	5	1	4	1	7	-
25 to 34 years -----	72	23	107	41	65	14	69	5
35 to 44 years -----	160	54	306	119	110	37	229	33
45 to 49 years -----	69	29	147	56	73	14	83	5
50 to 54 years -----	74	27	134	65	51	7	84	9
55 to 59 years -----	74	38	120	85	68	11	53	9
60 to 64 years -----	55	18	140	79	69	15	69	4
65 to 69 years -----	48	34	124	70	55	17	45	4
70 years and over -----	75	50	150	89	61	18	37	10
Average age -----	51.1	54.8	52.3	54.7	52.1	52.5	48.4	50.1
Operators by sex:								
Male -----	560	243	1 057	514	527	122	422	68
Female -----	70	31	176	71	29	12	254	11
Operators of Spanish origin (see text) -----	4	3	2	-	2	-	-	-
<b>FARMS BY TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship) ----- farms..	418	235	1 105	539	424	100	593	69
acres..	9 302	16 896	89 795	50 817	103 148	(D)	22 909	5 989
Partnership ----- farms..	48	25	72	31	76	4	33	4
acres..	1 293	4 747	9 204	4 749	25 893	408	1 216	(D)
Corporation:								
Family held ----- farms..	148	13	33	7	47	26	38	1
acres..	5 984	(D)	8 861	(D)	17 285	2 099	2 491	(D)
More than 10 stockholders ----- farms..	-	-	-	7	2	-	-	-
10 or less stockholders ----- farms..	148	13	33	7	45	26	38	1
Other than family held ----- farms..	12	-	7	2	2	3	5	-
acres..	112	-	399	(D)	(D)	(D)	134	-
More than 10 stockholders ----- farms..	-	-	2	-	-	1	1	-
10 or less stockholders ----- farms..	12	-	5	2	2	2	4	-
Other—cooperative, estate or trust, institutional, etc. ----- farms..	4	1	16	6	7	1	7	5
acres..	612	(D)	5 562	916	(D)	(D)	1 429	5 089

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>FARMS BY SIZE</b>								
1 to 9 acres .....	1 105	-	17	-	-	17	126	171
10 to 49 acres .....	2 125	8	264	-	5	259	300	381
50 to 69 acres .....	587	2	132	-	-	132	84	91
70 to 99 acres .....	539	5	125	-	-	125	67	66
100 to 139 acres .....	566	3	136	-	3	133	38	91
140 to 179 acres .....	324	1	74	-	2	72	21	39
180 to 219 acres .....	264	-	83	-	-	83	13	37
220 to 259 acres .....	163	-	35	-	2	33	10	13
260 to 499 acres .....	386	-	87	-	2	85	17	47
500 to 999 acres .....	126	3	19	-	-	19	1	11
1,000 to 1,999 acres .....	26	2	2	-	-	2	-	7
2,000 acres or more .....	5	-	1	-	-	1	-	2
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) .....	25	25	-	-	-	-	-	-
Field crops, except cash grains (013) .....	975	-	975	-	14	961	-	-
Cotton (0131) .....	-	-	-	-	-	-	-	-
Tobacco (0132) .....	14	-	14	-	14	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	-	961	-	-	961	-	-
Vegetables and melons (016) .....	678	-	-	-	-	-	678	-
Fruits and tree nuts (017) .....	956	-	-	-	-	-	-	956
Horticultural specialties (018) .....	630	-	-	-	-	-	-	-
General farms, primarily crop (019) .....	274	-	-	-	-	-	-	-
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	-	-	-	-	-	-	-
Beef cattle, except feedlots (0212) .....	585	-	-	-	-	-	-	-
Dairy farms (024) .....	556	-	-	-	-	-	-	-
Poultry and eggs (025) .....	134	-	-	-	-	-	-	-
Animal specialties (027) .....	676	-	-	-	-	-	-	-
General farms, primarily livestock and animal specialties (029) .....	79	-	-	-	-	-	-	-
<b>LIVESTOCK</b>								
Cattle and calves inventory .....	2 112	5	289	-	2	297	76	44
farms .....	83 065	180	3 707	-	(D)	(D)	727	605
number .....								
Farms with—								
1 to 9 .....	951	3	189	-	-	189	56	37
10 to 49 .....	657	1	102	-	1	101	17	6
50 to 99 .....	264	-	5	-	-	5	3	-
100 to 199 .....	169	1	2	-	-	2	-	-
200 to 499 .....	66	-	1	-	1	-	-	1
500 or more .....	5	-	1	-	-	-	-	-
Cows and heifers that had calved .....	1 757	4	205	-	2	203	52	34
farms .....	46 605	60	1 420	-	(D)	(D)	366	337
number .....								
Beef cows .....	1 124	4	183	-	-	183	48	27
farms .....	9 692	60	1 111	-	-	1 111	293	317
number .....								
Farms with—								
1 to 9 .....	869	3	152	-	-	152	39	20
10 to 49 .....	229	-	30	-	-	30	8	6
50 to 99 .....	16	1	1	-	-	1	1	-
100 to 199 .....	9	-	-	-	-	-	-	1
200 to 499 .....	1	-	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-	-	-
Milk cows .....	838	-	43	-	2	41	11	9
farms .....	36 913	-	309	-	(D)	(D)	73	20
number .....								
Farms with—								
1 to 4 .....	256	-	37	-	1	36	9	8
5 to 9 .....	38	-	3	-	-	3	1	1
10 to 49 .....	249	-	1	-	-	1	-	-
50 to 99 .....	193	-	1	-	-	1	1	-
100 to 199 .....	86	-	1	-	1	-	-	-
200 to 499 .....	16	-	-	-	-	-	-	-
500 or more .....	-	-	-	-	-	-	-	-
Heifers and heifer calves .....	1 356	3	186	-	2	184	32	17
farms .....	26 965	37	1 426	-	(D)	(D)	154	143
number .....								
Steers, steer calves, bulls, and bull calves .....	1 170	4	185	-	1	184	42	24
farms .....	9 495	83	861	-	(D)	(D)	207	125
number .....								
Cattle and calves sold .....	1 725	3	194	-	2	192	44	18
farms .....	39 668	59	1 389	-	(D)	(D)	268	160
number .....								
\$1,000 .....	11 297	21	507	-	(D)	(D)	78	69
farms .....	1 074	1	87	-	1	86	20	15
number .....	20 745	(D)	471	-	(D)	(D)	125	51
\$1,000 .....	1 837	(D)	45	-	(D)	(D)	17	7
farms .....	1 514	3	164	-	2	162	40	11
number .....	18 923	(D)	918	-	(D)	(D)	143	109
\$1,000 .....	9 461	(D)	462	-	(D)	(D)	62	62
Fattened on grain and concentrates .....	352	-	47	-	-	47	15	3
farms .....	2 712	-	127	-	-	127	41	7
number .....	1 588	-	60	-	-	60	23	2
\$1,000 .....								

See footnotes at end of table.

Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>FARMS BY SIZE</b>								
1 to 9 acres	348	8	158	54	11	34	223	9
10 to 49 acres	193	119	427	164	41	54	303	35
50 to 69 acres	28	37	133	67	16	13	43	8
70 to 99 acres	25	27	125	72	43	9	43	4
100 to 139 acres	10	35	153	92	56	7	30	7
140 to 179 acres	12	22	82	50	56	6	7	4
180 to 219 acres	4	10	53	34	51	2	7	4
220 to 259 acres	4	8	28	13	53	4	6	2
260 to 499 acres	3	4	51	32	160	4	10	2
500 to 999 acres	3	3	19	7	60	1	4	2
1,000 to 1,999 acres	-	1	3	-	9	-	-	1
2,000 acres or more	-	-	1	-	-	-	-	1
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011)	-	-	-	-	-	-	-	-
Field crops, except cash grains (013)	-	-	-	-	-	-	-	-
Cotton (0131)	-	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)	-	-	-	-	-	-	-	-
Vegetables and melons (016)	-	-	-	-	-	-	-	-
Fruits and tree nuts (017)	-	-	-	-	-	-	-	-
Horticultural specialties (018)	630	-	-	-	-	-	-	-
General farms, primarily crop (019)	-	274	-	-	-	-	-	-
Livestock, except dairy, poultry, and animal specialties (021)	-	-	1 233	585	-	-	-	-
Beef cattle, except feedlots (0212)	-	-	585	585	-	-	-	-
Dairy farms (024)	-	-	-	-	556	-	-	-
Poultry and eggs (025)	-	-	-	-	-	134	-	-
Animal specialties (027)	-	-	-	-	-	-	676	-
General farms, primarily livestock and animal specialties (029)	-	-	-	-	-	-	-	79
<b>LIVESTOCK</b>								
Cattle and calves inventory	farms... 19	92	890	551	546	23	61	57
	number... 139	684	17 683	11 203	58 139	263	198	740
Farms with—								
1 to 9	14	76	445	222	14	14	58	45
10 to 49	5	13	392	292	103	8	3	7
50 to 99	-	3	32	21	217	1	-	3
100 to 199	-	-	15	12	149	-	-	2
200 to 499	-	-	5	4	59	-	-	-
500 or more	-	-	1	-	4	-	-	-
Cows and heifers that had calved	farms... 16	71	721	448	544	18	46	46
	number... 83	446	7 089	5 155	36 110	179	119	396
Beef cows	farms... 16	61	638	384	58	15	39	35
	number... 83	341	6 517	4 753	570	169	111	120
Farms with—								
1 to 9	12	52	466	266	43	10	38	34
10 to 49	4	9	154	102	12	4	1	1
50 to 99	-	-	9	7	3	1	-	-
100 to 199	-	-	8	8	-	-	-	-
200 to 499	-	-	1	1	-	-	-	-
500 or more	-	-	-	-	-	-	-	-
Milk cows	farms... -	22	172	111	543	5	8	25
	number... -	105	572	402	35 540	10	8	276
Farms with—								
1 to 4	-	18	142	88	11	5	8	18
5 to 9	-	2	20	15	9	-	-	2
10 to 49	-	2	10	8	232	-	-	4
50 to 99	-	-	-	-	191	-	-	-
100 to 199	-	-	-	-	84	-	-	1
200 to 499	-	-	-	-	16	-	-	-
500 or more	-	-	-	-	-	-	-	-
Heifers and heifer calves	farms... 7	41	531	359	475	10	24	30
	number... 32	130	5 531	3 559	19 169	42	43	258
Steers, steer calves, bulls, and bull calves	farms... 10	47	560	354	244	10	21	23
	number... 24	108	5 063	2 489	2 860	42	36	86
Cattle and calves sold	farms... 12	26	813	543	552	13	18	32
	number... 63	287	10 489	7 648	26 206	89	88	570
\$1,000	21	98	4 530	3 001	5 690	32	31	220
Calves	farms... 5	14	398	307	503	5	8	18
	number... (D) 108	3 533	3 099	16 156	41	22	193	
\$1,000	(D) 7	695	627	1 022	9	5	18	
Cattle	farms... 10	20	703	461	507	11	15	30
	number... (D) 179	6 956	4 549	10 050	48	66	377	
\$1,000	(D) 91	3 835	2 375	4 668	23	27	202	
Fattened on grain and concentrates	farms... 3	7	233	35	30	2	2	10
	number... 6	61	1 931	83	451	(D)	(D)	79
\$1,000	2	35	1 204	41	213	(D)	(D)	44

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>LIVESTOCK—Con.</b>								
Hogs and pigs inventory..... farms..	498	1	41	-	1	40	28	11
..... number..	25 816	(D)	710	-	(D)	(D)	165	95
Farms with—								
1 to 24 .....	388	1	38	-	1	37	27	9
25 to 49 .....	37	-	2	-	-	2	1	2
50 to 99 .....	18	-	-	-	-	-	-	-
100 to 199 .....	23	-	-	-	-	-	-	-
200 to 499 .....	21	-	1	-	-	1	-	-
500 or more .....	11	-	-	-	-	-	-	-
Used or to be used for breeding .....	211	-	14	-	-	14	6	2
..... farms..	3 189	-	98	-	-	98	28	(D)
Other .....	444	1	36	-	1	35	25	10
..... number..	22 827	(D)	612	-	(D)	(D)	137	(D)
Hogs and pigs sold .....	387	-	27	-	-	27	20	6
..... farms..	40 048	-	626	-	-	626	235	86
..... number..	4 220	-	54	-	-	54	25	9
..... \$1,000..	96	-	5	-	-	5	2	2
Feeder pigs .....	9 091	-	133	-	-	133	(D)	(D)
..... farms..	374	-	5	-	-	5	(D)	(D)
..... number..								
..... \$1,000..								
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 .....	218	-	15	-	-	15	7	3
..... farms..	3 837	-	101	-	-	101	26	4
..... number..	202	-	13	-	-	13	7	2
Dec. 1 and May 31 .....	1 882	-	56	-	-	56	(D)	(D)
..... farms..	165	-	10	-	-	10	2	2
..... number..	1 955	-	45	-	-	45	(D)	(D)
..... number..								
Sheep and lambs of all ages inventory.....	604	-	67	-	-	67	21	32
..... farms..	14 761	-	706	-	-	706	251	278
..... number..	521	-	60	-	-	60	18	28
Ewes 1 year old or older .....	9 597	-	485	-	-	485	149	148
..... farms..								
..... number..								
Sheep and lambs sold .....	493	-	51	-	-	51	17	28
..... farms..	11 548	-	461	-	-	461	118	140
..... number..	511	-	59	-	-	59	19	29
Sheep and lambs shorn .....	13 036	-	631	-	-	631	194	193
..... farms..	95 098	-	5 017	-	-	5 017	1 717	1 643
..... number..								
..... pounds of wool..								
Horses and ponies inventory..... farms..	1 608	6	258	-	1	257	53	61
..... number..	11 944	22	1 287	-	(D)	(D)	146	169
Horses and ponies sold .....	421	2	26	-	-	26	8	3
..... farms..	1 230	(D)	56	-	-	56	15	3
..... number..	279	-	36	-	-	36	19	7
Goats inventory .....	2 756	-	134	-	-	134	60	18
..... farms..	98	-	7	-	-	7	1	1
..... number..	1 187	-	36	-	-	36	(D)	(D)
<b>POULTRY</b>								
Chickens 3 months old or older inventory ..	738	1	77	-	1	76	72	35
..... farms..	1 502 202	(D)	2 680	-	(D)	(D)	5 189	1 020
..... number..								
Farms with—								
1 to 399 .....	679	1	76	-	1	75	69	35
400 to 3,199 .....	32	-	1	-	-	1	3	-
3,200 to 9,999 .....	7	-	-	-	-	-	-	-
10,000 to 19,999 .....	4	-	-	-	-	-	-	-
20,000 to 49,999 .....	7	-	-	-	-	-	-	-
50,000 to 99,999 .....	4	-	-	-	-	-	-	-
100,000 or more .....	5	-	-	-	-	-	-	-
Hens and pullets of laying age .....	733	1	77	-	1	76	72	35
..... farms..	1 251 356	(D)	2 304	-	(D)	(D)	4 797	(D)
..... number..								
Pullets 3 months old or older not of	95	-	7	-	-	7	6	1
laying age .....	250 846	-	376	-	-	376	392	(D)
..... farms..	192	-	11	-	-	11	10	5
..... number..	1 195 566	-	973	-	-	973	1 096	(D)
..... number..								
Broilers and other meat-type chickens	37	1	-	-	-	-	3	2
sold .....	(D)	(D)	-	-	-	-	135	(D)
Farms with—								
1 to 1,999 .....	34	1	-	-	-	-	3	2
2,000 to 59,999 .....	3	-	-	-	-	-	-	-
60,000 to 99,999 .....	-	-	-	-	-	-	-	-
100,000 or more .....	-	-	-	-	-	-	-	-
Turkey hens kept for breeding .....	25	-	1	-	-	1	-	-
..... farms..	2 140	-	(D)	-	-	(D)	-	-
..... number..	86	-	5	-	-	5	6	4
Turkeys sold .....	1	(D)	61	-	-	61	748	63
..... farms..	153 714	(D)						
..... number..								

See footnotes at end of table.



**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>LIVESTOCK—Con.</b>								
Hogs and pigs inventory..... farms..	5	15	301	58	34	12	21	29
..... number..	(D)	81	23 846	440	586	135	77	102
Farms with—								
1 to 24 .....	5	14	203	51	30	11	21	29
25 to 49 .....	-	1	28	6	2	1	-	-
50 to 99 .....	-	-	18	1	-	-	-	-
100 to 199 .....	-	-	22	-	1	-	-	-
200 to 499 .....	-	-	19	-	1	-	-	-
500 or more .....	-	-	11	-	-	-	-	-
Used or to be used for breeding..... farms..	1	7	155	19	12	3	4	7
..... number..	(D)	45	2 886	119	83	17	8	18
Other..... farms..	5	13	271	51	31	11	18	23
..... number..	15	36	20 960	321	503	118	69	84
Hogs and pigs sold..... farms..	2	5	276	34	18	11	6	16
..... number..	(D)	214	37 789	648	713	205	(D)	151
..... \$1,000..	(D)	31	3 976	65	77	22	(D)	23
Feeder pigs..... farms..	-	2	79	9	3	2	1	-
..... number..	-	(D)	8 631	169	190	(D)	(D)	-
..... \$1,000..	-	(D)	357	7	7	(D)	(D)	-
Litters of pigs farrowed between—								
Dec. 1 of preceding year and Nov. 30 .. farms..	1	7	159	21	12	3	4	7
..... number..	(D)	35	3 531	130	87	(D)	7	22
Dec. 1 and May 31 .....	-	7	149	21	11	3	3	7
..... farms..	-	21	1 709	85	48	14	3	13
..... number..	-	5	127	8	8	2	4	4
June 1 and Nov. 30 .....	1	14	1 822	45	39	(D)	4	9
..... farms..	(D)							
..... number..								
Sheep and lambs of all ages inventory..... farms..	15	13	358	51	25	10	34	29
..... number..	174	164	11 720	490	435	172	365	496
Ewes 1 year old or older..... farms..	11	10	315	39	20	8	26	25
..... number..	118	(D)	7 658	284	264	(D)	169	380
Sheep and lambs sold..... farms..	10	7	313	32	16	7	20	24
..... number..	66	122	9 729	266	260	96	176	380
Sheep and lambs shorn..... farms..	14	8	313	34	15	8	25	21
..... number..	124	124	10 690	348	305	132	277	366
..... pounds of wool..	980	740	77 208	2 076	2 507	758	1 477	3 051
Horses and ponies inventory..... farms..	27	136	343	165	71	34	594	25
..... number..	73	653	1 368	652	292	131	7 651	142
Horses and ponies sold..... farms..	2	1	26	6	7	2	329	15
..... number..	(D)	(D)	51	13	12	(D)	1 056	26
Goats inventory..... farms..	10	9	135	24	11	13	24	15
..... number..	25	24	2 036	156	79	104	156	120
Goats sold..... farms..	-	-	73	8	3	2	8	3
..... number..	-	-	1 013	48	9	(D)	81	11
<b>POULTRY</b>								
Chickens 3 months old or older inventory .. farms..	25	37	261	88	44	96	49	41
..... number..	(D)	14 592	7 564	2 034	5 461	1 458 846	621	5 554
Farms with—								
1 to 399 .....	25	34	261	88	41	50	49	38
400 to 3,199 .....	-	2	-	-	3	20	-	3
3,200 to 9,999 .....	-	1	-	-	-	6	-	-
10,000 to 19,999 .....	-	-	-	-	-	4	-	-
20,000 to 49,999 .....	-	-	-	-	-	7	-	-
50,000 to 99,999 .....	-	-	-	-	-	4	-	-
100,000 or more .....	-	-	-	-	-	5	-	-
Hens and pullets of laying age..... farms..	25	36	259	87	44	94	49	41
..... number..	623	6 426	6 886	1 722	4 611	1 219 245	(D)	4 870
Pullets 3 months old or older not of laying age..... farms..	1	4	35	11	6	23	4	8
..... number..	(D)	8 166	678	312	850	239 601	(D)	684
Hens and pullets sold..... farms..	1	6	64	12	14	55	12	14
..... number..	(D)	9 418	1 582	347	2 560	1 172 740	4 141	2 696
Broilers and other meat-type chickens sold..... farms..	-	-	18	4	3	4	-	6
..... number..	-	-	448	160	132	50 650	-	765
Farms with—								
1 to 1,999 .....	-	-	18	4	3	1	-	6
2,000 to 59,999 .....	-	-	-	-	-	3	-	-
60,000 to 99,999 .....	-	-	-	-	-	-	-	-
100,000 or more .....	-	-	-	-	-	-	-	-
Turkey hens kept for breeding..... farms..	-	2	8	-	-	9	2	3
..... number..	-	(D)	17	-	-	2 037	(D)	76
Turkeys sold..... farms..	-	1	19	2	4	30	3	13
..... number..	-	(D)	561	(D)	(D)	151 089	70	763

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)
			Total	Cotton (0131)	Tobacco (0132)	Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139)		
<b>CROPS HARVESTED</b>								
Corn for silage or green chop	farms-- 604 acres-- 28 643 tons, green-- 524 819	2 (D) (D)	79 1 776 31 472	-- -- --	1 (D) (D)	78 (D) (D)	21 357 4 542	9 156 3 284
Irrigated	farms-- 6 acres-- 89	-- --	1 (D)	-- --	-- --	1 (D)	-- --	-- --
Farms by acres harvested:								
1 to 24 acres	274	--	51	--	--	51	16	7
25 to 99 acres	250	1	25	--	--	25	5	2
100 to 249 acres	69	1	3	--	1	2	--	--
250 to 499 acres	9	--	--	--	--	--	--	--
500 acres or more	2	--	--	--	--	--	--	--
Irish potatoes	farms-- 93 acres-- 2 628 cwt-- 615 427	1 (D) (D)	31 2 102 488 560	-- -- --	1 (D) (D)	30 (D) (D)	42 157 30 735	-- -- --
Irrigated	farms-- 15 acres-- 150	-- --	4 117	-- --	-- --	4 117	11 33	-- --
Farms by acres harvested:								
0.1 to 4.9 acres	50	--	7	--	--	7	30	--
5.0 to 24.9 acres	23	--	8	--	1	7	12	--
25.0 to 99.9 acres	15	1	12	--	--	12	--	--
100.0 to 249.9 acres	3	--	2	--	--	2	--	--
250.0 acres or more	2	--	2	--	--	2	--	--
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms-- 2 874 acres-- 121 498 tons, dry-- 250 559	14 566 1 249	930 37 608 72 482	-- -- --	4 363 609	926 37 245 71 873	128 2 883 4 398	92 1 651 3 139
Irrigated	farms-- 24 acres-- 339	-- --	4 76	-- --	-- --	4 76	2 (D)	1 (D)
Farms by acres harvested:								
1 to 24 acres	1 542	9	432	--	2	430	96	76
25 to 99 acres	1 013	4	419	--	1	418	23	14
100 to 249 acres	265	1	67	--	--	67	9	2
250 to 499 acres	48	--	12	--	1	11	--	--
500 acres or more	6	--	--	--	--	--	--	--
Tame hay other than alfalfa, small grain, and wild hay (see text)	farms-- 1 699 acres-- 60 650 tons, dry-- 120 497	8 242 436	533 19 844 37 379	-- -- --	1 (D) (D)	532 (D) (D)	85 1 908 2 919	55 792 1 512
Irrigated	farms-- 11 acres-- 219	-- --	1 (D)	-- --	-- --	1 (D)	2 (D)	-- --
Vegetables harvested for sale (see text)	farms-- 1 008 acres-- 16 325	-- --	54 242	-- --	2 (D)	52 (D)	678 13 452	74 442
Irrigated	farms-- 312 acres-- 4 750	-- --	9 21	-- --	-- --	9 21	224 4 046	27 83
Farms by acres harvested:								
0.1 to 4.9 acres	438	--	40	--	1	39	241	45
5.0 to 24.9 acres	386	--	12	--	1	11	288	27
25.0 to 99.9 acres	156	--	2	--	--	2	122	2
100.0 to 249.9 acres	26	--	--	--	--	--	25	--
250.0 acres or more	2	--	--	--	--	--	2	--
Sweet corn harvested for sale	farms-- 596 acres-- 8 444	-- --	28 139	-- --	1 (D)	27 (D)	419 6 875	35 220
Irrigated	farms-- 163 acres-- 2 042	-- --	4 10	-- --	-- --	4 10	119 1 735	11 35
Land in orchards	farms-- 572 acres-- 9 379	-- --	33 97	-- --	1 (D)	32 (D)	84 542	345 8 274
Irrigated	farms-- 57 acres-- 267	-- --	-- --	-- --	-- --	-- 30	15 200	31 200
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	269	--	26	--	1	25	46	113
5.0 to 24.9 acres	201	--	7	--	--	7	35	136
25.0 to 99.9 acres	82	--	--	--	--	--	3	76
100.0 to 249.9 acres	18	--	--	--	--	--	--	18
250.0 acres or more	2	--	--	--	--	--	--	2
Berries harvested for sale	farms-- 890 acres-- 13 385	-- --	17 22	-- --	-- --	17 22	119 229	673 12 962
Irrigated	farms-- 646 acres-- 12 499	-- --	3 8	-- --	-- --	3 8	49 109	561 12 298

See footnotes at end of table.

**Table 53. Summary by Standard Industrial Classification of Farm: 1987—Con.**

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

Item	Horticultural specialties (018)	General farms, primarily crop (019)	Livestock, except dairy, poultry, and animal specialties (021)		Dairy farms (024)	Poultry and eggs (025)	Animal specialties (027)	General farms, primarily livestock and animal specialties (029)
			Total	Beef cattle, except feedlots (0212)				
<b>CROPS HARVESTED</b>								
Corn for silage or green chop	farms... 3 acres... (D) tons, green... (D)	12 125 1 441	95 3 163 50 892	57 912 14 681	366 22 428 422 703	4 35 605	4 12 248	9 394 6 430
Irrigated	farms... 1 acres... (D)	1 (D)	1 (D)	-	3 30	-	-	-
Farms by acres harvested:								
1 to 24 acres	3	11	76	48	96	4	4	6
25 to 99 acres	-	1	15	7	199	-	-	2
100 to 249 acres	-	-	3	2	61	-	-	1
250 to 499 acres	-	-	-	-	9	-	-	-
500 acres or more	-	-	1	-	1	-	-	-
Irish potatoes	farms... 4 acres... 232 cwt... 69 281	5 97 20 119	8 11 805	5 10 744	1 (D) (D)	-	-	1 (D) (D)
Irrigated	farms... - acres... -	-	-	-	-	-	-	-
Farms by acres harvested:								
0.1 to 4.9 acres	3	1	7	4	1	-	-	1
5.0 to 24.9 acres	-	2	1	1	-	-	-	-
25.0 to 99.9 acres	-	2	-	-	-	-	-	-
100.0 to 249.9 acres	1	-	-	-	-	-	-	-
250.0 acres or more	-	-	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms... 41 acres... 580 tons, dry... 909	248 4 787 6 103	707 19 279 33 700	381 11 622 18 947	480 48 611 118 947	42 533 761	132 3 104 4 646	60 1 896 4 225
Irrigated	farms... - acres... -	3 61	7 172	5 (D)	2 (D)	3 6	2 (D)	-
Farms by acres harvested:								
1 to 24 acres	33	197	467	222	58	36	95	43
25 to 99 acres	8	44	216	147	236	5	31	13
100 to 249 acres	-	7	20	9	151	1	4	3
250 to 499 acres	-	-	3	3	31	-	2	-
500 acres or more	-	-	1	-	4	-	-	1
Tame hay other than alfalfa, small grain, and wild hay (see text)	farms... 18 acres... 371 tons, dry... 597	127 2 126 2 582	409 10 105 17 433	231 6 366 11 033	337 22 183 52 450	21 282 368	72 1 666 2 486	34 1 131 2 335
Irrigated	farms... - acres... -	2 (D)	5 133	3 (D)	-	1 (D)	-	-
Vegetables harvested for sale (see text)	farms... 62 acres... 698 farms... 25 acres... 206	53 667 17 294	28 96 3 14	10 50 -	32 391 72	14 272 (D)	-	13 65 (D)
Farms by acres harvested:								
0.1 to 4.9 acres	32	26	25	8	11	8	-	10
5.0 to 24.9 acres	18	17	2	1	17	3	-	2
25.0 to 99.9 acres	12	10	1	1	4	2	-	1
100.0 to 249.9 acres	-	-	-	-	-	1	-	-
250.0 acres or more	-	-	-	-	-	-	-	-
Sweet corn harvested for sale	farms... 28 acres... 378	32 247	15 29	6 9	24 312	7 200	-	8 43
Irrigated	farms... 11 acres... 95	10 97	1 (D)	-	4 57	1 (D)	-	2 (D)
Land in orchards	farms... 19 acres... 113	16 96	35 62	16 33	6 20	14 47	10 26	10 102
Irrigated	farms... 5 acres... 10	2 (D)	-	-	-	3 9	-	1 (D)
Farms by bearing and nonbearing acres:								
0.1 to 4.9 acres	11	12	30	13	4	10	10	7
5.0 to 24.9 acres	8	3	5	3	2	4	-	1
25.0 to 99.9 acres	-	1	-	-	-	-	-	2
100.0 to 249.9 acres	-	-	-	-	-	-	-	-
250.0 acres or more	-	-	-	-	-	-	-	-
Berries harvested for sale	farms... 28 acres... 53	21 58	8 5	3 1	6 42	8 6	2 (D)	8 (D)
Irrigated	farms... 14 acres... 37	9 35	-	-	1 (D)	3 3	1 (D)	5 (D)

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 1. County Summary Highlights: 1987**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
Farms ----- number..	6 216	158	392	675	58	439	616
Land in farms ----- acres..	615 185	(D)	70 792	42 562	7 314	30 940	82 864
Average size of farm ----- acres..	99	(D)	181	63	126	70	135
Value of land and buildings:							
Average per farm ----- dollars..	346 530	319 398	386 964	267 392	460 328	462 670	244 320
Average per acre ----- dollars..	3 553	13 288	2 009	4 451	3 650	6 754	2 090
Estimated market value of all machinery and equipment <sup>1</sup> :							
Average per farm ----- dollars..	32 039	31 149	30 510	26 978	16 377	33 053	26 903
Farms by size:							
1 to 9 acres -----	1 105	70	39	148	16	101	60
10 to 49 acres -----	2 125	65	91	250	19	184	156
50 to 179 acres -----	2 016	18	134	229	17	108	245
180 to 499 acres -----	813	4	89	43	1	39	139
500 to 999 acres -----	126	1	34	5	3	6	15
1,000 acres or more -----	31	-	5	-	2	1	1
Total cropland ----- farms..	5 654	149	361	615	50	389	578
Harvested cropland ----- acres..	272 588	1 864	31 934	20 987	2 200	16 730	33 548
Irrigated land ----- farms..	5 084	134	326	526	43	345	535
----- acres..	194 874	(D)	22 280	14 554	709	12 714	23 715
----- farms..	1 316	112	25	136	15	104	47
----- acres..	20 158	1 265	82	1 699	(D)	878	941
Market value of agricultural products sold ----- \$1,000..	340 464	6 800	17 564	29 971	(D)	17 034	24 575
Average per farm ----- dollars..	54 772	43 041	44 805	44 401	(D)	38 803	39 895
Crops, including nursery and greenhouse crops ----- \$1,000..	215 855	6 377	4 430	19 189	(D)	12 240	11 081
Livestock, poultry, and their products ----- \$1,000..	124 609	423	13 134	10 782	(D)	4 794	13 494
Farms by value of sales:							
Less than \$2,500 -----	2 167	30	158	254	23	156	227
\$2,500 to \$4,999 -----	830	21	67	64	10	50	89
\$5,000 to \$9,999 -----	720	20	29	73	9	61	73
\$10,000 to \$24,999 -----	770	33	35	108	10	51	57
\$25,000 to \$49,999 -----	494	17	28	57	3	50	52
\$50,000 to \$99,999 -----	515	25	22	55	2	27	54
\$100,000 or more -----	720	12	53	64	1	44	64
Operators by principal occupation:							
Farming -----	3 174	85	195	358	30	227	313
Other -----	3 042	73	197	317	28	212	303
Operators by days worked off farm:							
Any -----	3 516	84	200	350	34	239	362
200 days or more -----	2 283	50	137	245	21	148	232
Average age of operator ----- years..	52.6	52.3	53.5	52.0	52.9	54.1	50.2
Total farm production expenses <sup>1</sup> ----- \$1,000..	251 496	4 663	13 371	20 696	747	12 946	17 700
Average per farm ----- dollars..	40 460	29 701	33 937	30 752	12 885	29 490	28 734
Livestock and poultry:							
Cattle and calves inventory ----- farms..	2 112	11	214	254	15	95	296
----- number..	83 065	(D)	11 715	8 154	177	3 372	13 444
Beef cows ----- farms..	1 124	8	114	133	7	60	125
----- number..	9 692	(D)	1 197	1 155	53	510	700
Milk cows ----- farms..	838	2	92	88	7	30	151
----- number..	36 913	(D)	5 282	3 982	17	1 278	6 475
Cattle and calves sold ----- farms..	1 725	8	197	198	11	83	251
----- number..	39 668	(D)	5 589	4 319	80	1 957	5 524
Hogs and pigs inventory ----- farms..	498	3	34	90	8	20	56
----- number..	25 816	17	199	5 017	41	561	556
Hogs and pigs sold ----- farms..	387	1	23	65	7	18	44
----- number..	40 048	(D)	388	9 279	126	1 719	1 145
Sheep and lambs inventory ----- farms..	604	13	45	56	21	43	60
----- number..	14 761	128	783	926	1 281	573	1 353
Chickens 3 months old or older inventory ----- farms..	738	25	43	77	17	58	67
----- number..	1 502 202	(D)	153 423	130 005	(D)	51 258	17 585
Broilers and other meat-type chickens sold ----- farms..	37	2	1	7	1	4	9
----- number..	(D)	(D)	(D)	(D)	(D)	(D)	204
Selected crops harvested:							
Corn for grain or seed ----- farms..	152	-	18	13	1	5	24
----- acres..	5 681	-	836	338	(D)	205	1 012
----- bushels..	626 829	-	85 677	26 146	(D)	12 050	124 736
Corn for silage or green chop ----- farms..	604	1	64	90	1	19	100
----- acres..	28 643	(D)	4 131	2 731	(D)	757	3 923
----- tons, green..	524 819	(D)	74 464	43 827	(D)	14 886	80 669
Irish potatoes ----- farms..	93	2	4	7	4	7	23
----- acres..	2 628	(D)	(D)	(D)	4	9	744
----- cwt..	615 427	(D)	(D)	(D)	299	(D)	158 131
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms..	2 874	7	270	273	21	187	393
----- acres..	121 498	(D)	17 720	8 089	499	9 286	15 587
----- tons, dry..	250 559	(D)	37 707	14 968	685	17 273	34 501
Vegetables harvested for sale (see text) ----- farms..	1 008	20	46	138	11	95	99
----- acres..	16 325	249	510	2 560	78	1 852	1 403
Land in orchards ----- farms..	572	9	27	53	7	29	61
----- acres..	9 379	38	250	422	80	484	1 157

See footnotes at end of table.

Table 1. County Summary Highlights: 1987—Con.

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Farms.....number..	490	624	569	12	212	775	5	1 191
Land in farms.....acres..	46 747	64 567	38 709	819	13 124	77 140	(D)	134 689
Average size of farm.....acres..	95	103	68	68	62	100	(D)	113
Value of land and buildings <sup>1</sup> :								
Average per farm.....dollars..	283 605	259 069	313 826	(D)	287 080	397 271	(D)	443 586
Average per acre.....dollars..	2 919	2 601	4 960	(D)	5 100	3 963	(D)	3 761
Estimated market value of all machinery and equipment <sup>1</sup> :								
Average per farm.....dollars..	29 365	28 932	34 291	38 683	27 426	47 368	17 492	31 010
Farms by size:								
1 to 9 acres.....	74	95	132	6	58	158	4	144
10 to 49 acres.....	160	209	213	2	82	342	1	351
50 to 179 acres.....	178	211	166	2	57	185	-	466
180 to 499 acres.....	67	90	53	2	12	71	-	203
500 to 999 acres.....	10	15	5	-	2	9	-	21
1,000 acres or more.....	1	4	-	-	1	10	-	6
Total cropland.....farms..	451	563	481	10	183	723	4	1 097
Harvested cropland.....farms..	18 577	34 104	20 266	518	6 567	23 481	10	61 802
Irrigated land.....farms..	404	528	438	10	159	668	4	964
.....acres..	14 014	24 290	15 064	441	4 003	19 360	(D)	42 309
.....acres..	67	46	129	10	56	465	4	100
.....acres..	801	449	1 253	439	338	11 028	(D)	838
Market value of agricultural products sold.....\$1,000..	19 056	27 532	49 860	2 141	13 240	77 374	(D)	54 309
Average per farm.....dollars..	38 889	44 122	87 628	178 456	62 454	99 837	(D)	45 599
Crops, including nursery and greenhouse crops.....\$1,000..	13 357	15 957	28 964	(D)	9 044	73 225	329	19 063
Livestock, poultry, and their products.....\$1,000..	5 698	11 575	20 896	(D)	4 196	4 149	(D)	35 246
Farms by value of sales:								
Less than \$2,500.....	200	209	189	4	63	178	1	475
\$2,500 to \$4,999.....	80	105	65	-	33	77	-	169
\$5,000 to \$9,999.....	52	82	75	-	40	82	1	123
\$10,000 to \$24,999.....	50	74	65	2	20	135	-	130
\$25,000 to \$49,999.....	25	45	57	2	18	66	-	74
\$50,000 to \$99,999.....	32	47	52	2	20	80	2	95
\$100,000 or more.....	51	62	66	2	18	157	1	125
Operators by principal occupation:								
Farming.....	248	307	290	7	107	440	1	566
Other.....	242	317	279	5	105	335	4	625
Operators by days worked off farm:								
Any.....	278	350	324	9	119	459	2	706
200 days or more.....	186	235	184	3	81	275	1	485
Average age of operator.....years..	54.7	54.0	52.6	44.8	53.0	52.1	47.4	52.2
Total farm production expenses <sup>1</sup> .....\$1,000..	15 823	21 234	39 445	1 926	9 195	48 394	256	45 099
Average per farm.....dollars..	32 227	34 083	69 202	160 514	43 372	62 364	51 246	37 898
Livestock and poultry:								
Cattle and calves inventory.....farms..	186	255	134	1	47	93	-	511
.....number..	5 582	10 762	4 351	(D)	1 496	4 539	-	19 342
Beef cows.....farms..	113	121	85	1	35	52	-	270
.....number..	1 039	872	966	(D)	256	(D)	-	2 497
Milk cows.....farms..	67	112	38	-	18	29	-	204
.....number..	2 353	5 271	1 494	-	597	(D)	-	8 933
Cattle and calves sold.....farms..	134	208	106	1	43	66	-	419
.....number..	2 256	5 028	2 232	(D)	660	2 117	-	9 855
Hogs and pigs inventory.....farms..	40	32	54	-	14	27	-	120
.....number..	248	2 808	5 080	-	787	3 152	-	7 350
Hogs and pigs sold.....farms..	25	20	50	-	11	29	-	94
.....number..	(D)	4 645	8 739	-	567	5 570	-	7 552
Sheep and lambs inventory.....farms..	36	58	65	-	28	47	-	132
.....number..	662	2 297	2 302	-	797	639	-	3 020
Chickens 3 months old or older inventory.....farms..	65	65	71	1	31	67	-	151
.....number..	24 563	4 826	85 074	(D)	5 149	3 682	-	1 014 621
Broilers and other meat-type chickens sold.....farms..	3	1	-	-	2	1	-	6
.....number..	200	(D)	-	-	(D)	(D)	-	(D)
Selected crops harvested:								
Corn for grain or seed.....farms..	13	39	11	-	2	2	-	24
.....acres..	329	2 025	162	-	(D)	(D)	-	593
.....bushels..	29 750	261 078	17 111	-	(D)	(D)	-	55 306
Corn for silage or green chop.....farms..	56	78	28	-	5	18	-	144
.....acres..	2 646	4 200	1 211	-	(D)	2 206	-	6 623
.....tons, green..	44 465	75 040	22 318	-	(D)	37 155	-	128 685
Irish potatoes.....farms..	5	20	3	2	3	4	-	9
.....acres..	(D)	1 436	3	(D)	2	4	-	13
.....cwt..	(D)	370 521	280	(D)	800	280	-	1 095
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms..	255	336	211	1	81	142	-	697
.....acres..	7 688	13 534	9 810	(D)	3 295	5 462	-	30 440
.....tons, dry..	15 119	29 850	17 981	(D)	5 698	10 987	-	65 586
Vegetables harvested for sale (see text).....farms..	76	136	128	4	36	68	-	151
.....acres..	1 674	2 237	2 273	137	287	1 040	-	2 026
Land in orchards.....farms..	68	44	74	2	20	30	1	147
.....acres..	923	943	1 327	(D)	158	138	(D)	3 443

<sup>1</sup>Data are based on a sample of farms.

**Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales (see text) ----- farms, 1987..	6 216	158	392	675	58	439	616
1982..	5 401	123	352	597	40	372	521
\$1,000, 1987..	340 464	6 800	17 564	29 971	(D)	17 034	24 575
1982..	281 436	3 989	16 542	28 260	688	13 920	21 555
Average per farm ----- dollars, 1987..	54 772	43 041	44 805	44 401	(D)	38 803	39 895
1982..	52 108	32 432	46 994	47 337	17 210	37 418	41 372
<b>1987 value of sales:</b>							
Less than \$1,000 ----- farms..	1 133	17	74	142	9	75	116
\$1,000..	254	4	22	32	(D)	16	33
\$1,000 to \$2,499 ----- farms..	1 034	13	84	112	14	81	111
\$1,000..	1 642	20	139	177	(D)	135	182
\$2,500 to \$4,999 ----- farms..	830	21	67	64	10	50	89
\$1,000..	2 911	78	228	220	32	178	323
\$5,000 to \$9,999 ----- farms..	720	20	29	73	9	61	73
\$1,000..	4 961	140	203	514	(D)	404	500
\$10,000 to \$19,999 ----- farms..	591	28	26	73	9	42	44
\$1,000..	8 193	(D)	347	1 014	(D)	561	650
\$20,000 to \$24,999 ----- farms..	179	5	9	35	1	9	13
\$1,000..	3 941	(D)	205	762	(D)	197	286
\$25,000 to \$39,999 ----- farms..	356	11	24	39	1	35	42
\$1,000..	11 233	(D)	732	1 179	(D)	1 119	1 381
\$40,000 to \$49,999 ----- farms..	138	6	4	18	2	15	10
\$1,000..	6 162	(D)	172	825	(D)	661	451
\$50,000 to \$99,999 ----- farms..	515	25	22	55	2	27	54
\$1,000..	36 797	(D)	1 692	3 955	(D)	1 901	4 200
\$100,000 to \$249,999 ----- farms..	475	7	34	45	1	30	47
\$1,000..	73 705	1 059	5 458	6 799	(D)	4 503	7 523
\$250,000 to \$499,999 ----- farms..	148	3	14	10	-	9	11
\$1,000..	50 202	(D)	4 635	3 576	-	3 239	3 970
\$500,000 or more ----- farms..	97	2	5	9	-	5	6
\$1,000..	140 482	(D)	3 731	10 919	-	4 120	5 076
<b>1982 value of sales<sup>1</sup>:</b>							
Less than \$1,000 ----- farms..	780	11	60	77	6	73	79
\$1,000..	238	3	17	(D)	(D)	(D)	26
\$1,000 to \$2,499 ----- farms..	842	15	63	90	6	47	88
\$1,000..	1 344	22	100	153	(D)	74	139
\$2,500 to \$4,999 ----- farms..	706	19	43	93	8	56	61
\$1,000..	2 480	63	155	328	(D)	198	213
\$5,000 to \$9,999 ----- farms..	655	21	39	67	8	37	69
\$1,000..	4 632	147	275	500	(D)	268	483
\$10,000 to \$19,999 ----- farms..	525	18	33	67	6	45	35
\$1,000..	7 400	257	436	997	87	631	494
\$20,000 to \$24,999 ----- farms..	165	6	7	18	1	11	19
\$1,000..	3 625	(D)	153	389	(D)	244	421
\$25,000 to \$39,999 ----- farms..	364	6	14	39	2	23	28
\$1,000..	11 434	(D)	443	1 234	(D)	717	902
\$40,000 to \$49,999 ----- farms..	162	4	6	19	-	11	11
\$1,000..	7 159	(D)	257	856	-	484	465
\$50,000 to \$99,999 ----- farms..	544	11	25	66	2	32	71
\$1,000..	38 800	(D)	1 840	4 654	(D)	2 219	5 113
\$100,000 to \$249,999 ----- farms..	431	7	44	47	-	23	42
\$1,000..	64 060	(D)	6 677	6 928	-	3 512	6 092
\$250,000 to \$499,999 ----- farms..	139	1	17	6	1	8	14
\$1,000..	47 007	(D)	(D)	2 004	(D)	2 623	4 806
\$500,000 or more ----- farms..	71	1	1	7	-	5	4
\$1,000..	91 907	(D)	(D)	10 130	-	2 829	2 399
<b>Sales by commodity or commodity group:</b>							
<b>Crops, including nursery and greenhouse crops</b>							
farms, 1987..	3 820	129	187	385	34	283	356
1982..	3 260	102	181	357	25	215	281
\$1,000, 1987..	215 855	6 377	4 430	19 189	462	12 240	11 081
1982..	139 428	(D)	2 689	11 920	318	7 485	6 826
<b>Grains</b>							
farms, 1987..	78	-	7	5	1	2	19
1982..	86	-	12	5	-	2	18
\$1,000, 1987..	785	-	109	(D)	(D)	(D)	112
1982..	836	-	199	(D)	-	(D)	113
<b>Corn for grain</b>							
farms, 1987..	67	-	7	4	-	2	15
1982..	51	-	8	2	-	1	11
\$1,000, 1987..	729	-	101	16	-	(D)	108
1982..	(D)	-	175	(D)	-	(D)	108
<b>Wheat</b>							
farms, 1987..	3	-	2	-	-	-	-
1982..	3	-	1	-	-	1	-
\$1,000, 1987..	(D)	-	(D)	-	-	-	-
1982..	(D)	-	(D)	-	-	(D)	-
<b>Soybeans</b>							
farms, 1987..	-	-	-	-	-	-	-
1982..	3	-	1	-	-	-	-
\$1,000, 1987..	-	-	-	-	-	-	-
1982..	(D)	-	(D)	-	-	-	-
<b>Sorghum for grain</b>							
farms, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
\$1,000, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
<b>Barley</b>							
farms, 1987..	-	-	-	-	-	-	-
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	-	-	-	-	-	-	-
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Oats</b>							
farms, 1987..	5	-	2	-	1	-	2
1982..	3	-	2	-	-	-	-
\$1,000, 1987..	(D)	-	(D)	-	(D)	-	(D)
1982..	(D)	-	(D)	-	-	-	-
<b>Other grains<sup>2</sup></b>							
farms, 1987..	7	-	-	1	-	-	2
1982..	31	-	4	3	-	-	7
\$1,000, 1987..	39	-	-	(D)	-	-	(D)
1982..	52	-	6	(D)	-	-	5

See footnotes at end of table.

**Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) ----- farms, 1987 ..	490	624	589	12	212	775	5	1 191
----- farms, 1982 ..	392	559	567	6	205	649	4	1 014
\$1,000, 1987 ..	19 056	27 532	49 860	2 141	13 240	77 374	(D)	54 309
----- farms, 1982 ..	15 572	25 483	45 543	327	9 121	52 964	152	47 319
Average per farm ----- dollars, 1987 ..	38 889	44 122	87 628	178 456	62 454	99 837	(D)	45 599
----- dollars, 1982 ..	39 724	45 586	80 324	54 538	44 494	81 609	38 005	46 666
<b>1987 value of sales:</b>								
Less than \$1,000 ----- farms ..	120	113	106	-	31	83	1	246
----- \$1,000 ..	23	25	22	-	8	16	-	49
\$1,000 to \$2,499 ----- farms ..	80	96	83	4	32	95	-	229
----- \$1,000 ..	129	148	131	(D)	48	145	-	363
\$2,500 to \$4,999 ----- farms ..	80	105	65	-	33	77	-	169
----- \$1,000 ..	268	358	235	-	120	263	-	608
\$5,000 to \$9,999 ----- farms ..	52	82	75	-	40	82	1	123
----- \$1,000 ..	335	570	500	-	267	593	(D)	872
\$10,000 to \$19,999 ----- farms ..	43	56	58	2	13	101	-	96
----- \$1,000 ..	(D)	796	805	(D)	179	1 416	-	1 261
\$20,000 to \$24,999 ----- farms ..	7	18	7	-	7	34	-	34
----- \$1,000 ..	(D)	390	159	-	162	740	-	758
\$25,000 to \$39,999 ----- farms ..	22	27	42	2	14	50	-	47
----- \$1,000 ..	(D)	822	1 321	(D)	466	1 530	-	1 520
\$40,000 to \$49,999 ----- farms ..	3	18	15	-	4	16	-	27
----- \$1,000 ..	(D)	794	673	-	(D)	718	-	1 170
\$50,000 to \$99,999 ----- farms ..	32	47	52	2	20	80	2	95
----- \$1,000 ..	(D)	3 285	3 457	(D)	(D)	5 760	(D)	6 809
\$100,000 to \$249,999 ----- farms ..	34	43	38	-	9	104	1	82
----- \$1,000 ..	(D)	6 627	5 859	-	(D)	15 941	(D)	12 678
\$250,000 to \$499,999 ----- farms ..	13	10	16	-	2	28	-	32
----- \$1,000 ..	(D)	3 663	5 571	-	(D)	9 221	-	10 430
\$500,000 or more ----- farms ..	4	9	12	2	25	25	-	11
----- \$1,000 ..	4 759	10 055	31 127	(D)	8 515	41 031	-	17 791
<b>1982 value of sales<sup>1</sup>:</b>								
Less than \$1,000 ----- farms ..	72	89	88	-	25	74	-	126
----- \$1,000 ..	25	32	21	-	7	26	-	(D)
\$1,000 to \$2,499 ----- farms ..	54	82	82	1	37	74	-	203
----- \$1,000 ..	87	126	135	(D)	62	117	-	319
\$2,500 to \$4,999 ----- farms ..	52	70	74	1	36	66	-	127
----- \$1,000 ..	186	237	258	(D)	126	234	-	451
\$5,000 to \$9,999 ----- farms ..	56	68	70	-	23	76	1	120
----- \$1,000 ..	392	490	476	-	147	538	(D)	846
\$10,000 to \$19,999 ----- farms ..	26	60	61	-	20	63	-	91
----- \$1,000 ..	395	827	864	-	259	874	-	1 279
\$20,000 to \$24,999 ----- farms ..	13	13	13	-	5	34	-	25
----- \$1,000 ..	280	294	282	-	108	733	-	561
\$25,000 to \$39,999 ----- farms ..	33	46	32	-	20	53	2	64
----- \$1,000 ..	1 020	1 477	1 023	-	635	1 632	(D)	1 986
\$40,000 to \$49,999 ----- farms ..	6	20	21	1	4	23	-	36
----- \$1,000 ..	263	889	919	(D)	164	997	-	1 617
\$50,000 to \$99,999 ----- farms ..	34	46	55	2	19	77	1	103
----- \$1,000 ..	2 221	3 356	3 929	(D)	1 398	5 515	(D)	7 499
\$100,000 to \$249,999 ----- farms ..	31	41	41	1	8	64	-	82
----- \$1,000 ..	5 244	5 682	5 960	(D)	1 262	9 514	-	11 891
\$250,000 to \$499,999 ----- farms ..	14	13	15	-	4	22	-	24
----- \$1,000 ..	(D)	4 134	5 424	-	1 205	7 534	-	8 092
\$500,000 or more ----- farms ..	1	7	11	-	4	19	-	11
----- \$1,000 ..	(D)	7 627	26 063	-	3 727	24 933	-	12 440
<b>Sales by commodity or commodity group:</b>								
<b>Crops, including nursery and greenhouse</b>								
crops ----- farms, 1987 ..	288	387	374	10	129	623	3	632
----- farms, 1982 ..	220	332	370	6	132	486	4	549
\$1,000, 1987 ..	13 357	15 957	28 964	2 137	9 044	73 225	329	19 063
----- farms, 1982 ..	8 758	9 908	24 114	(D)	5 941	44 244	152	13 005
Grains ----- farms, 1987 ..	6	24	5	-	1	1	-	7
----- farms, 1982 ..	5	33	3	-	2	3	-	3
\$1,000, 1987 ..	(D)	384	23	-	(D)	(D)	-	73
----- farms, 1982 ..	6	478	(D)	-	(D)	(D)	-	(D)
Corn for grain ----- farms, 1987 ..	5	21	5	-	1	1	-	6
----- farms, 1982 ..	3	19	1	-	1	3	-	2
\$1,000, 1987 ..	36	(D)	23	-	(D)	(D)	-	(D)
----- farms, 1982 ..	(D)	447	(D)	-	(D)	(D)	-	(D)
Wheat ----- farms, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	1	-	-	-	-	1
\$1,000, 1987 ..	-	-	-	-	-	-	-	(D)
----- farms, 1982 ..	-	-	(D)	-	-	-	-	-
Soybeans ----- farms, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	1	-	-	-	-	-	1
\$1,000, 1987 ..	-	-	-	-	-	-	-	(D)
----- farms, 1982 ..	-	(D)	-	-	-	-	-	-
Sorghum for grain ----- farms, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	-	-	-	-	-	-
\$1,000, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	-	-	-	-	-	-
Barley ----- farms, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oats ----- farms, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	-	-	-	-	-	1
\$1,000, 1987 ..	-	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	-	-	-	-	-	(D)
Other grains <sup>2</sup> ----- farms, 1987 ..	1	3	-	-	-	-	-	-
----- farms, 1982 ..	2	13	1	-	1	-	-	-
\$1,000, 1987 ..	(D)	(D)	-	-	-	-	-	-
----- farms, 1982 ..	(D)	(D)	(D)	-	(D)	-	-	-

See footnotes at end of table.

**Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>							
Total sales (see text)—Con.							
Sales by commodity or commodity group—Con.							
Crops, including nursery and greenhouse crops—Con.							
Cotton and cottonseed .....							
farms, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
\$1,000, 1987..	-	-	-	-	-	-	-
1982..	-	-	-	-	-	-	-
Tobacco .....							
farms, 1987..	21	-	-	-	-	-	5
1982..	46	-	-	-	-	-	9
\$1,000, 1987..	4 587	-	-	-	-	-	162
1982..	2 494	-	-	-	-	-	74
Hay, silage, and field seeds .....							
farms, 1987..	1 569	-	119	141	10	119	205
1982..	1 248	1	122	118	9	84	151
\$1,000, 1987..	7 803	-	932	678	26	875	820
1982..	5 624	(D)	563	642	54	428	565
Vegetables, sweet corn, and melons .....							
farms, 1987..	1 007	20	46	138	11	95	99
1982..	1 011	22	43	156	13	89	90
\$1,000, 1987..	25 179	(D)	542	3 747	224	2 436	2 371
1982..	19 199	218	(D)	3 042	178	1 869	1 663
Fruits, nuts, and berries .....							
farms, 1987..	1 186	88	31	94	7	63	66
1982..	1 002	87	23	93	6	45	51
\$1,000, 1987..	92 349	4 074	(D)	2 497	28	624	3 188
1982..	60 925	2 869	430	1 967	(D)	648	2 201
Nursery and greenhouse crops .....							
farms, 1987..	824	42	32	86	12	85	54
1982..	716	27	25	87	7	72	42
\$1,000, 1987..	80 867	1 962	2 328	12 135	179	8 268	3 427
1982..	46 465	655	1 007	6 065	78	4 517	1 334
Other crops .....							
farms, 1987..	114	3	3	7	4	10	24
1982..	134	1	6	14	1	10	20
\$1,000, 1987..	4 285	(D)	(D)	(D)	(D)	(D)	1 001
1982..	3 884	(D)	(D)	(D)	(D)	(D)	876
Livestock, poultry, and their products .....							
farms, 1987..	2 932	41	259	336	34	198	349
1982..	2 904	34	268	317	23	195	344
\$1,000, 1987..	124 609	423	13 134	10 782	(D)	4 794	13 494
1982..	142 008	(D)	13 852	16 340	371	6 434	14 729
Poultry and poultry products .....							
farms, 1987..	498	22	24	46	11	46	46
1982..	508	17	29	50	10	51	44
\$1,000, 1987..	23 149	183	2 338	1 922	(D)	1 330	295
1982..	25 456	(D)	1 171	4 990	3	1 716	268
Dairy products .....							
farms, 1987..	609	1	66	65	3	23	115
1982..	879	3	95	94	6	38	138
\$1,000, 1987..	63 309	(D)	9 100	6 072	(D)	2 167	11 015
1982..	80 840	(D)	11 098	8 663	(D)	3 349	12 445
Cattle and calves .....							
farms, 1987..	1 725	8	197	198	11	83	251
1982..	1 908	10	211	212	12	95	264
\$1,000, 1987..	11 297	(D)	1 357	1 467	(D)	654	1 577
1982..	12 212	29	1 307	1 738	(D)	684	1 626
Hogs and pigs .....							
farms, 1987..	387	1	23	65	7	18	44
1982..	451	8	26	68	13	21	33
\$1,000, 1987..	4 220	(D)	24	709	19	183	78
1982..	4 497	9	43	669	8	58	33
Sheep, lambs, and wool .....							
farms, 1987..	563	12	40	51	20	42	57
1982..	398	7	31	39	8	28	58
\$1,000, 1987..	884	(D)	41	52	53	43	80
1982..	445	5	35	29	16	30	50
Other livestock and livestock products (see text) .....							
farms, 1987..	722	17	40	75	7	77	62
1982..	560	14	35	53	3	55	57
\$1,000, 1987..	21 749	166	274	560	(D)	418	451
1982..	18 559	100	198	250	(D)	598	307
<b>1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011) .....	25	-	2	1	-	-	7
Field crops, except cash grains (013) .....	975	-	73	86	6	71	123
Cotton (0131) .....	-	-	-	-	-	-	-
Tobacco (0132) .....	14	-	-	-	-	-	2
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	961	-	73	86	6	71	121
Vegetables and melons (016) .....	678	15	23	102	8	71	64
Fruits and tree nuts (017) .....	956	75	15	79	3	31	52
Horticultural specialties (018) .....	630	33	26	71	9	65	34
General farms, primarily crop (019) .....	274	3	23	27	-	17	29
Livestock, except dairy, poultry, and animal specialties (021) .....	1 233	12	130	147	20	70	142
Beef cattle, except feedlots (0212) .....	585	3	97	59	5	27	77
Dairy farms (024) .....	556	1	61	58	2	19	104
Poultry and eggs (025) .....	134	5	6	18	1	14	8
Animal specialties (027) .....	676	12	30	74	4	75	44
General farms, primarily livestock and animal specialties (029) .....	79	2	3	12	5	6	9

See footnotes at end of table.



**Table 2. Market Value of Agricultural Products Sold and Farms by Standard Industrial Classification: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD—Con.</b>								
Total sales (see text)—Con.								
Sales by commodity or commodity group—Con.								
Crops, including nursery and greenhouse crops—Con.								
Cotton and cottonseed ----- farms, 1987 ..	-	-	-	-	-	-	-	-
1982 ..	-	-	-	-	-	-	-	-
\$1,000, 1987 ..	-	-	-	-	-	-	-	-
1982 ..	-	-	-	-	-	-	-	-
Tobacco ----- farms, 1987 ..	5	11	-	-	-	-	-	-
1982 ..	6	31	-	-	-	-	-	-
\$1,000, 1987 ..	2 540	1 886	-	-	-	-	-	-
1982 ..	1 489	931	-	-	-	-	-	-
Hay, silage, and field seeds ----- farms, 1987 ..	135	184	145	-	47	92	-	372
1982 ..	89	142	125	2	45	61	-	299
\$1,000, 1987 ..	476	582	923	-	208	388	-	1 896
1982 ..	323	495	889	(D)	122	162	-	1 373
Vegetables, sweet corn, and melons ----- farms, 1987 ..	76	136	127	4	36	68	-	151
1982 ..	73	134	139	3	31	69	1	148
\$1,000, 1987 ..	2 764	3 483	3 432	(D)	694	1 449	-	3 201
1982 ..	2 634	2 165	3 158	180	361	1 154	(D)	2 171
Fruits, nuts, and berries ----- farms, 1987 ..	70	60	80	5	28	452	-	142
1982 ..	68	46	79	3	21	349	1	150
\$1,000, 1987 ..	1 578	1 365	(D)	(D)	470	67 935	-	6 930
1982 ..	1 728	1 222	2 054	(D)	417	40 902	(D)	6 465
Nursery and greenhouse crops ----- farms, 1987 ..	72	60	120	6	54	75	3	123
1982 ..	56	42	125	4	63	67	4	95
\$1,000, 1987 ..	5 660	5 621	22 597	332	7 649	3 448	329	6 932
1982 ..	(D)	2 397	18 007	(D)	5 030	1 979	(D)	2 845
Other crops ----- farms, 1987 ..	8	29	4	2	3	3	-	14
1982 ..	8	38	5	2	4	7	-	18
\$1,000, 1987 ..	(D)	2 637	(D)	(D)	(D)	(D)	-	31
1982 ..	(D)	2 221	(D)	(D)	(D)	(D)	-	(D)
Livestock, poultry, and their products ----- farms, 1987 ..	221	295	250	4	101	175	1	668
1982 ..	211	300	269	3	98	205	-	637
\$1,000, 1987 ..	5 698	11 575	20 896	(D)	4 196	4 149	(D)	35 246
1982 ..	6 814	15 574	21 429	(D)	3 180	8 720	-	34 314
Poultry and poultry products ----- farms, 1987 ..	38	30	54	1	27	44	-	109
1982 ..	30	44	66	1	26	45	-	95
\$1,000, 1987 ..	904	186	1 489	(D)	155	196	-	14 046
1982 ..	858	3 462	2 500	(D)	358	208	-	9 873
Dairy products ----- farms, 1987 ..	41	80	24	-	16	20	-	155
1982 ..	72	123	38	-	16	37	-	219
\$1,000, 1987 ..	4 023	9 246	2 833	-	648	2 049	-	16 095
1982 ..	5 143	10 045	2 761	-	705	6 395	-	19 896
Cattle and calves ----- farms, 1987 ..	134	208	106	1	43	66	-	419
1982 ..	147	218	124	1	50	96	-	468
\$1,000, 1987 ..	616	1 135	836	(D)	168	788	-	2 669
1982 ..	642	1 373	(D)	(D)	642	1 037	-	2 738
Hogs and pigs ----- farms, 1987 ..	25	20	50	-	11	29	-	94
1982 ..	18	38	55	-	16	46	-	109
\$1,000, 1987 ..	31	450	1 347	-	(D)	613	-	726
1982 ..	46	454	1 133	-	151	679	-	1 215
Sheep, lambs, and wool ----- farms, 1987 ..	31	54	59	-	27	43	-	127
1982 ..	21	38	41	-	14	44	-	69
\$1,000, 1987 ..	19	235	(D)	-	44	27	-	95
1982 ..	25	76	55	-	28	25	-	72
Other livestock and livestock products (see text) ----- farms, 1987 ..	50	53	79	2	42	72	1	145
1982 ..	28	50	76	1	27	67	-	94
\$1,000, 1987 ..	105	323	(D)	(D)	(D)	475	(D)	1 614
1982 ..	99	164	(D)	(D)	(D)	377	-	520
<b>1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) -----	1	10	2	-	-	-	-	2
Field crops, except cash grains (013) -----	105	122	83	-	22	63	-	221
Cotton (0131) -----	-	-	-	-	-	-	-	-
Tobacco (0132) -----	5	7	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) -----	100	115	83	-	22	63	-	221
Vegetables and melons (016) -----	49	110	83	3	22	47	-	81
Fruits and tree nuts (017) -----	47	46	54	3	15	427	1	108
Horticultural specialties (018) -----	52	43	98	4	44	61	3	87
General farms, primarily crop (019) -----	25	27	24	-	8	18	-	73
Livestock, except dairy, poultry, and animal specialties (021) -----	93	123	100	-	36	57	-	303
Beef cattle, except feedlots (0212) -----	48	73	36	-	13	12	-	135
Dairy farms (024) -----	41	76	21	-	13	17	-	143
Poultry and eggs (025) -----	16	11	10	-	2	8	-	35
Animal specialties (027) -----	51	50	88	2	47	76	1	122
General farms, primarily livestock and animal specialties (029) -----	10	6	6	-	3	1	-	16

<sup>1</sup>Data for 1982 exclude abnormal farms.

<sup>2</sup>Data for 1982 include market value of barley sold.

**Table 3. Farm Production Expenses: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
Total farm production expenses ----- farms, 1987..	6 216	157	394	673	58	439	616
----- \$1,000, 1987..	251 486	4 663	13 371	20 696	747	12 946	17 700
Average per farm ----- dollars, 1987..	40 460	29 701	33 937	30 752	12 885	29 490	28 734
Livestock and poultry purchased ----- farms, 1987..	1 559	20	117	190	11	147	166
----- 1982..	1 636	19	133	224	15	76	157
----- \$1,000, 1987..	11 441	183	842	1 411	(D)	670	390
----- 1982..	11 468	(D)	501	1 946	6	803	623
Feed for livestock and poultry ----- farms, 1987..	2 893	41	250	313	36	232	300
----- 1982..	2 947	36	221	327	25	212	357
----- \$1,000, 1987..	33 525	195	3 189	3 167	(D)	1 819	2 693
----- 1982..	47 203	138	4 121	6 203	(D)	2 358	4 669
Commercially mixed formula feeds ----- farms, 1987..	1 552	24	109	146	18	140	226
----- 1982..	1 997	21	180	205	11	180	239
----- \$1,000, 1987..	26 256	(D)	2 741	2 286	80	1 221	2 185
----- 1982..	36 846	(D)	3 388	4 282	71	1 878	3 823
Seeds, bulbs, plants, and trees ----- farms, 1987..	2 429	55	172	338	26	168	236
----- 1982..	2 068	17	153	281	18	126	272
----- \$1,000, 1987..	6 227	124	260	1 039	33	350	450
----- 1982..	5 996	49	259	719	(D)	449	367
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	3 858	139	222	396	34	255	377
----- 1982..	3 284	82	148	358	29	219	392
----- \$1,000, 1987..	8 953	152	540	641	38	312	1 044
----- 1982..	7 155	48	460	453	48	316	1 070
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	3 027	112	135	332	17	199	270
----- 1982..	2 456	83	100	291	18	141	245
----- \$1,000, 1987..	7 319	212	143	372	11	207	588
----- 1982..	4 885	101	96	180	9	223	398
Petroleum products ----- farms, 1987..	5 859	141	361	644	49	413	591
----- 1982..	5 323	119	352	582	39	372	521
----- \$1,000, 1987..	12 042	252	651	1 186	35	673	974
----- 1982..	16 641	268	897	1 562	45	1 082	1 121
Gasoline and gasohol ----- farms, 1987..	5 243	133	295	533	39	361	563
----- 1982..	5 034	116	325	551	29	351	500
----- \$1,000, 1987..	5 325	115	321	519	21	230	462
----- 1982..	6 750	139	368	649	26	358	635
Diesel fuel ----- farms, 1987..	2 743	46	204	248	22	196	290
----- 1982..	2 028	21	152	208	19	126	233
----- \$1,000, 1987..	2 585	32	176	219	(D)	(D)	262
----- 1982..	2 465	22	212	193	12	130	319
Natural gas ----- farms, 1987..	175	2	9	22	1	4	40
----- 1982..	103	3	8	11	-	6	-
----- \$1,000, 1987..	841	(D)	40	42	(D)	(D)	70
----- 1982..	872	6	(D)	33	-	17	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	3 773	94	229	459	26	243	360
----- 1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
----- \$1,000, 1987..	3 291	(D)	114	406	7	258	180
----- 1982..	6 553	101	(D)	687	8	578	167
Electricity ----- farms, 1987..	4 286	100	258	420	37	322	454
----- 1982..	3 622	72	228	359	22	250	347
----- \$1,000, 1987..	5 959	72	534	511	26	365	509
----- 1982..	5 874	(D)	376	497	(D)	392	537
Hired farm labor ----- farms, 1987..	2 185	84	155	169	21	160	175
----- 1982..	2 412	51	181	209	24	189	292
----- \$1,000, 1987..	66 579	1 427	2 717	4 629	120	2 563	3 283
----- 1982..	49 109	485	(D)	2 741	202	2 098	2 604
Contract labor ----- farms, 1987..	1 025	46	42	103	13	48	51
----- 1982..	429	27	14	40	2	20	25
----- \$1,000, 1987..	7 906	157	49	508	14	519	762
----- 1982..	2 604	62	24	239	(D)	128	84
Repair and maintenance ----- farms, 1987..	5 222	130	357	537	37	376	538
----- \$1,000, 1987..	16 873	334	1 019	1 529	77	950	1 396
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	1 276	43	47	87	9	87	153
----- 1982..	1 224	35	52	138	7	38	206
----- \$1,000, 1987..	3 570	73	104	102	13	119	210
----- 1982..	3 517	61	70	228	4	64	256
Interest paid <sup>3</sup> ----- farms, 1987..	1 981	60	144	173	8	153	179
----- 1982..	1 803	48	143	168	7	67	198
----- \$1,000, 1987..	13 788	332	862	645	51	867	830
----- 1982..	10 141	254	815	660	97	445	900
Interest paid on debt: ----- farms, 1987..	1 410	44	72	112	6	78	125
Secured by real estate ----- \$1,000, 1987..	10 563	296	569	466	(D)	742	562
Not secured by real estate ----- farms, 1987..	950	18	99	81	4	94	89
----- \$1,000, 1987..	3 225	37	293	178	(D)	125	268
Cash rent ----- farms, 1987..	1 092	33	76	149	6	54	170
----- \$1,000, 1987..	3 848	280	124	367	3	120	459
Property taxes paid ----- farms, 1987..	5 817	141	353	597	51	438	611
----- \$1,000, 1987..	15 219	284	934	1 051	109	1 453	967
All other farm production expenses ----- farms, 1987..	5 700	148	362	558	55	422	562
----- \$1,000, 1987..	38 248	585	1 403	3 540	84	1 959	3 144

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Total farm production expenses ----- farms, 1987--	491	623	570	12	212	776	5	1 190
\$1,000, 1987--	15 823	21 234	39 445	1 926	9 195	48 394	256	45 099
Average per farm ----- dollars, 1987--	32 227	34 083	69 202	160 514	43 372	62 364	51 246	37 898
Livestock and poultry purchased ----- farms, 1987--	107	155	119	2	81	101	-	343
1982--	116	151	163	1	59	154	-	368
\$1,000, 1987--	501	476	2 574	(D)	1 050	903	-	2 423
1982--	450	397	2 557	(D)	532	840	-	2 157
Feed for livestock and poultry ----- farms, 1987--	238	271	241	2	88	204	-	677
1982--	207	276	305	1	96	243	-	641
\$1,000, 1987--	1 651	2 876	4 371	(D)	514	1 066	-	11 864
1982--	2 319	5 289	4 927	(D)	528	2 581	-	13 947
Commercially mixed formula feeds ----- farms, 1987--	134	136	115	2	56	94	-	352
1982--	157	179	192	1	63	123	-	446
\$1,000, 1987--	1 303	1 669	3 274	(D)	293	659	-	10 479
1982--	1 867	4 328	3 941	(D)	360	1 584	-	11 264
Seeds, bulbs, plants, and trees ----- farms, 1987--	167	320	228	5	101	169	-	444
1982--	185	248	187	4	83	104	2	388
\$1,000, 1987--	388	779	1 119	63	884	291	-	446
1982--	475	650	873	13	901	323	(D)	842
Commercial fertilizer <sup>1</sup> ----- farms, 1987--	321	439	341	8	146	567	3	610
1982--	232	374	246	4	99	491	3	607
\$1,000, 1987--	802	1 363	450	(D)	156	2 075	(D)	1 293
1982--	550	1 306	432	12	133	1 138	(2)	1 188
Agricultural chemicals <sup>1</sup> ----- farms, 1987--	246	335	258	8	85	554	3	473
1982--	162	258	259	4	90	442	3	360
\$1,000, 1987--	388	839	434	(D)	107	2 744	(D)	1 221
1982--	303	605	469	(D)	69	1 675	(D)	744
Petroleum products ----- farms, 1987--	476	603	534	12	187	729	4	1 115
1982--	386	547	549	6	205	635	4	1 006
\$1,000, 1987--	869	1 387	1 634	103	563	1 988	12	1 716
1982--	967	1 593	3 958	10	902	1 945	38	2 263
Gasoline and gasohol ----- farms, 1987--	450	590	421	6	159	677	3	1 013
1982--	380	517	511	4	176	613	2	959
\$1,000, 1987--	349	494	714	17	149	1 071	2	861
1982--	455	759	898	(D)	184	1 076	(D)	1 199
Diesel fuel ----- farms, 1987--	196	256	283	11	48	311	3	629
1982--	127	191	195	3	72	216	2	463
\$1,000, 1987--	205	226	267	(D)	44	416	3	517
1982--	145	334	303	(D)	33	245	(D)	516
Natural gas ----- farms, 1987--	18	9	18	1	17	18	1	15
1982--	8	9	31	-	6	12	1	8
\$1,000, 1987--	15	20	301	(D)	175	33	(D)	59
1982--	56	10	443	-	161	34	(D)	103
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987--	284	378	313	10	115	534	4	724
1982--	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987--	301	647	351	21	195	468	(D)	279
1982--	311	491	2 315	5	525	590	(D)	445
Electricity ----- farms, 1987--	322	487	371	7	136	490	4	878
1982--	286	389	443	2	138	348	3	735
\$1,000, 1987--	393	545	970	(D)	148	769	(D)	1 087
1982--	355	524	1 091	(D)	149	754	(D)	1 072
Hired farm labor ----- farms, 1987--	139	238	169	7	67	444	2	355
1982--	189	261	218	3	76	257	4	458
\$1,000, 1987--	4 754	5 034	14 911	(D)	3 028	15 369	(D)	8 190
1982--	2 419	3 379	12 612	(D)	1 124	7 625	26	5 951
Contract labor ----- farms, 1987--	91	33	97	2	33	287	1	178
1982--	34	23	68	-	11	117	-	48
\$1,000, 1987--	292	212	1 161	(D)	124	2 521	(D)	1 563
1982--	261	221	531	-	(D)	807	-	227
Repair and maintenance ----- farms, 1987--	380	568	482	10	162	698	4	943
\$1,000, 1987--	1 074	1 583	1 964	(D)	506	3 619	(D)	2 611
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987--	58	161	108	3	30	284	1	205
1982--	72	131	72	-	15	244	-	214
\$1,000, 1987--	93	269	446	(D)	32	1 826	(D)	248
1982--	98	83	699	-	28	1 761	-	166
Interest paid <sup>3</sup> ----- farms, 1987--	146	229	130	7	60	269	2	421
1982--	113	214	189	2	63	205	1	385
\$1,000, 1987--	1 199	1 294	1 473	(D)	271	3 216	(D)	2 553
1982--	664	1 223	1 273	(D)	207	1 437	(D)	2 158
Interest paid on debt: Secured by real estate ----- farms, 1987--	103	192	91	3	25	206	1	352
\$1,000, 1987--	970	1 075	958	(D)	112	2 714	(D)	2 006
Not secured by real estate ----- farms, 1987--	69	80	65	5	38	115	1	192
\$1,000, 1987--	229	219	515	(D)	159	502	(D)	546
Cash rent ----- farms, 1987--	70	142	86	6	24	35	-	241
\$1,000, 1987--	383	413	292	5	62	364	-	975
Property taxes paid ----- farms, 1987--	468	588	534	8	189	708	5	1 126
\$1,000, 1987--	903	1 271	1 566	26	491	3 776	16	2 371
All other farm production expenses ----- farms, 1987--	420	582	508	10	191	748	5	1 129
\$1,000, 1987--	2 133	2 893	6 080	(D)	1 257	7 867	(D)	6 538

<sup>1</sup>Data for 1987 include cost of custom applications.

<sup>2</sup>Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.

**Table 4. Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>NET CASH RETURN</b>							
Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup> ----- farms, 1987 ..	6 216	157	394	673	58	439	616
----- \$1,000, 1987 ..	84 172	2 035	2 835	8 360	-76	3 418	5 688
Average per farm ----- dollars, 1987 ..	13 541	12 963	7 197	12 421	-1 302	7 786	9 235
Farms with net gains <sup>2</sup> ----- number, 1987 ..	3 017	99	176	313	20	182	296
----- \$1,000, 1987 ..	106 761	2 754	4 759	10 293	164	5 699	6 703
Average per farm ----- dollars, 1987 ..	35 387	27 821	27 037	32 884	8 179	31 315	22 645
Farms with net losses ----- number, 1987 ..	3 199	58	218	360	38	257	320
----- \$1,000, 1987 ..	22 590	719	1 923	1 933	239	2 281	1 014
Average per farm ----- dollars, 1987 ..	7 062	12 397	8 821	5 370	6 292	8 877	3 170
<b>GOVERNMENT PAYMENTS</b>							
Total received ----- farms, 1987 ..	400	6	36	45	4	30	72
----- \$1,000, 1987 ..	2 213	4	231	218	5	31	188
Average per farm ----- dollars, 1987 ..	5 533	707	6 410	4 853	1 180	1 050	2 612
Amount received in cash ----- farms, 1987 ..	353	6	33	40	4	23	69
----- \$1,000, 1987 ..	1 967	(D)	180	191	5	23	152
Value of commodity certificates received ----- farms, 1987 ..	127	2	16	16	-	8	23
----- \$1,000, 1987 ..	246	(D)	51	28	-	9	36
<b>OTHER FARM-RELATED INCOME</b>							
Gross before taxes and expenses <sup>1</sup> ----- farms, 1987 ..	1 361	33	76	109	8	100	204
----- \$1,000, 1987 ..	5 802	311	228	373	(D)	393	667
Average per farm ----- dollars, 1987 ..	4 263	9 431	2 996	3 421	(D)	3 930	3 271
Customwork and other agricultural services <sup>3</sup> ----- farms, 1987 ..	449	18	18	34	6	41	66
----- 1982 ..	351	13	30	22	6	27	43
----- \$1,000, 1987 ..	2 163	121	76	91	9	154	147
----- 1982 ..	909	104	40	55	18	58	45
Rental of farmland ----- farms, 1987 ..	300	-	9	21	-	31	35
----- \$1,000, 1987 ..	477	-	14	70	-	(D)	22
Sales of forest products and Christmas trees ----- farms, 1987 ..	570	13	41	11	1	50	102
----- \$1,000, 1987 ..	1 780	100	36	63	(D)	176	338
Other farm-related income sources ----- farms, 1987 ..	368	6	28	47	2	41	57
----- \$1,000, 1987 ..	1 382	90	102	150	(D)	(D)	161
<b>COMMODITY CREDIT CORPORATION LOANS</b>							
Total ----- farms, 1987 ..	8	-	2	1	-	-	2
----- 1982 ..	3	-	1	-	-	-	1
----- \$1,000, 1987 ..	159	-	(D)	(D)	-	-	(D)
----- 1982 ..	(D)	-	(D)	-	-	-	(D)
Corn ----- farms, 1987 ..	5	-	2	-	-	-	-
----- \$1,000, 1987 ..	(D)	-	(D)	-	-	-	-
Wheat ----- farms, 1987 ..	-	-	-	-	-	-	-
----- \$1,000, 1987 ..	-	-	-	-	-	-	-
Soybeans ----- farms, 1987 ..	-	-	-	-	-	-	-
----- \$1,000, 1987 ..	-	-	-	-	-	-	-
Sorghum, barley, and oats ----- farms, 1987 ..	-	-	-	-	-	-	-
----- \$1,000, 1987 ..	-	-	-	-	-	-	-
Cotton ----- farms, 1987 ..	-	-	-	-	-	-	-
----- \$1,000, 1987 ..	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey ----- farms, 1987 ..	3	-	-	1	-	-	2
----- \$1,000, 1987 ..	(D)	-	-	(D)	-	-	(D)

See footnotes at end of table.

Table 4. **Net Cash Return From Agricultural Sales, Government Payments, Other Farm-Related Income, and Commodity Credit Corporation Loans: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>NET CASH RETURN</b>								
Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup> ----- farms, 1987..	491	623	570	12	212	776	5	1 190
----- \$1,000, 1987..	4 128	5 076	9 469	(D)	3 405	29 719	(D)	9 819
Average per farm ----- dollars, 1987..	6 407	8 147	16 612	(D)	16 060	38 298	(D)	8 251
Farms with net gains <sup>2</sup> ----- number, 1987..	244	291	318	6	90	461	4	517
----- \$1,000, 1987..	5 319	7 269	12 734	241	4 723	32 123	80	13 901
Average per farm ----- dollars, 1987..	21 798	24 979	40 045	40 243	52 481	69 680	19 897	26 888
Farms with net losses ----- number, 1987..	247	332	252	6	122	315	1	673
----- \$1,000, 1987..	1 191	2 193	3 285	(D)	1 319	2 403	(D)	4 082
Average per farm ----- dollars, 1987..	4 822	6 606	12 957	(D)	10 808	7 629	(D)	6 066
<b>GOVERNMENT PAYMENTS</b>								
Total received ----- farms, 1987..	17	44	34	1	10	15	-	86
----- \$1,000, 1987..	13	146	50	(D)	14	(D)	-	448
Average per farm ----- dollars, 1987..	792	3 315	1 462	(D)	1 381	(D)	-	5 205
Amount received in cash ----- farms, 1987..	13	38	31	1	5	14	-	76
----- \$1,000, 1987..	(D)	92	33	(D)	7	(D)	-	424
Value of commodity certificates received ----- farms, 1987..	7	17	8	-	6	5	-	19
----- \$1,000, 1987..	(D)	54	17	-	6	18	-	24
<b>OTHER FARM-RELATED INCOME</b>								
Gross before taxes and expenses <sup>1</sup> ----- farms, 1987..	74	184	121	3	27	120	-	302
----- \$1,000, 1987..	397	629	789	(D)	430	732	-	826
Average per farm ----- dollars, 1987..	5 369	3 416	6 520	(D)	15 924	6 101	-	2 736
Customwork and other agricultural services <sup>3</sup> ----- farms, 1987..	17	40	47	1	11	56	-	94
----- farms, 1982..	28	31	42	1	6	29	-	73
----- \$1,000, 1987..	46	265	323	(D)	(D)	311	-	279
----- farms, 1982..	27	63	253	(D)	(D)	104	-	117
Rental of farmland ----- farms, 1987..	6	59	15	1	-	9	-	114
----- \$1,000, 1987..	6	29	66	(D)	-	53	-	167
Sales of forest products and Christmas trees ----- farms, 1987..	23	80	77	1	16	33	-	122
----- \$1,000, 1987..	155	272	215	(D)	(D)	91	-	291
Other farm-related income sources ----- farms, 1987..	33	35	12	-	-	33	-	74
----- \$1,000, 1987..	190	63	184	-	-	277	-	149
<b>COMMODITY CREDIT CORPORATION LOANS</b>								
Total ----- farms, 1987..	-	3	-	-	-	-	-	-
----- farms, 1982..	-	1	-	-	-	-	-	-
----- \$1,000, 1987..	-	(D)	-	-	-	-	-	-
----- farms, 1982..	-	(D)	-	-	-	-	-	-
Corn ----- farms, 1987..	-	3	-	-	-	-	-	-
----- \$1,000, 1987..	-	(D)	-	-	-	-	-	-
Wheat ----- farms, 1987..	-	-	-	-	-	-	-	-
----- \$1,000, 1987..	-	-	-	-	-	-	-	-
Soybeans ----- farms, 1987..	-	-	-	-	-	-	-	-
----- \$1,000, 1987..	-	-	-	-	-	-	-	-
Sorghum, barley, and oats ----- farms, 1987..	-	-	-	-	-	-	-	-
----- \$1,000, 1987..	-	-	-	-	-	-	-	-
Cotton ----- farms, 1987..	-	-	-	-	-	-	-	-
----- \$1,000, 1987..	-	-	-	-	-	-	-	-
Peanuts, rye, rice, tobacco, and honey ----- farms, 1987..	-	-	-	-	-	-	-	-
----- \$1,000, 1987..	-	-	-	-	-	-	-	-

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains.

<sup>3</sup>Data for 1987 are based on a sample of farms; data for 1982 are nonsample.

**Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982**

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

All Farms	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>FARMS AND LAND IN FARMS</b>							
Farms.....number, 1987..	6 216	158	392	675	58	439	616
.....1982..	5 401	123	352	597	40	372	521
Land in farms.....acres, 1987..	615 185	(D)	70 792	42 562	7 314	30 940	82 864
.....1982..	612 819	5 010	73 434	41 883	7 355	30 283	79 412
Average size of farm.....acres, 1987..	99	(D)	181	63	126	70	135
.....1982..	113	41	209	70	184	81	152
Value of land and buildings <sup>1</sup> :							
Average per farm.....dollars, 1987..	346 530	319 338	386 964	267 392	460 328	462 670	244 320
.....1982..	205 677	198 593	226 719	164 087	402 050	257 978	162 852
Average per acre.....dollars, 1987..	3 553	13 288	2 009	4 451	3 650	6 754	2 090
.....1982..	1 963	4 096	1 230	2 343	2 187	3 383	1 055
Approximate land area.....acres, 1987..	5 007 577	256 211	594 540	358 249	65 049	316 723	449 126
Proportion in farms.....percent, 1987..	12.3	(D)	11.9	11.9	11.2	9.8	18.5
1987 size of farm:							
1 to 9 acres.....farms..	1 105	70	39	148	16	101	60
.....acres..	4 911	281	157	674	64	412	234
10 to 49 acres.....farms..	2 125	65	91	250	19	184	156
.....acres..	52 758	1 487	2 455	6 034	426	4 306	4 143
50 to 69 acres.....farms..	587	9	30	78	6	34	49
.....acres..	33 925	(D)	1 687	4 440	(D)	2 002	2 920
70 to 99 acres.....farms..	539	5	31	63	4	34	64
.....acres..	44 465	390	2 615	5 123	339	2 785	5 450
100 to 139 acres.....farms..	566	3	39	56	7	20	81
.....acres..	65 401	(D)	4 687	6 464	786	2 265	9 265
140 to 179 acres.....farms..	324	1	34	32	-	20	51
.....acres..	50 600	(D)	5 373	4 907	-	3 133	8 053
180 to 219 acres.....farms..	264	1	27	7	-	11	43
.....acres..	52 297	(D)	5 427	1 302	-	2 200	8 485
220 to 259 acres.....farms..	163	2	12	14	1	11	20
.....acres..	38 800	(D)	2 840	3 341	(D)	2 626	4 797
260 to 499 acres.....farms..	386	1	50	22	-	17	76
.....acres..	134 194	(D)	16 851	7 210	-	5 668	27 971
500 to 999 acres.....farms..	126	1	34	5	3	6	15
.....acres..	79 966	(D)	22 150	3 067	(D)	(D)	(D)
1,000 to 1,999 acres.....farms..	26	-	5	-	2	1	1
.....acres..	34 020	-	6 550	-	(D)	(D)	(D)
2,000 acres or more.....farms..	5	-	-	-	-	-	-
.....acres..	23 848	-	-	-	-	-	-
1982 size of farm:							
1 to 9 acres.....farms..	920	47	30	123	7	85	51
.....acres..	(D)	206	119	514	25	341	216
10 to 49 acres.....farms..	1 652	56	75	229	8	143	96
.....acres..	41 861	1 328	2 003	6 186	(D)	3 205	2 576
50 to 69 acres.....farms..	490	4	27	59	4	32	48
.....acres..	28 228	239	1 516	3 294	(D)	1 839	2 748
70 to 99 acres.....farms..	478	6	25	51	6	25	47
.....acres..	39 200	526	2 066	4 234	(D)	2 061	3 885
100 to 139 acres.....farms..	521	4	20	51	8	23	65
.....acres..	60 479	439	2 425	5 848	880	2 695	7 602
140 to 179 acres.....farms..	325	3	31	27	3	18	39
.....acres..	51 197	480	4 892	4 237	495	2 856	6 144
180 to 219 acres.....farms..	271	-	39	22	-	9	51
.....acres..	53 637	-	7 766	4 355	-	1 807	10 063
220 to 259 acres.....farms..	166	-	18	9	1	11	27
.....acres..	39 647	-	4 411	2 091	(D)	2 585	6 462
260 to 499 acres.....farms..	419	2	50	21	1	20	77
.....acres..	146 526	(D)	18 102	7 217	(D)	7 205	26 650
500 to 999 acres.....farms..	130	-	29	4	-	5	19
.....acres..	81 458	-	18 618	(D)	-	(D)	(D)
1,000 to 1,999 acres.....farms..	21	1	7	1	1	-	1
.....acres..	27 230	(D)	(D)	(D)	(D)	-	(D)
2,000 acres or more.....farms..	8	-	1	-	1	1	-
.....acres..	(D)	-	(D)	-	(D)	(D)	-
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland.....farms, 1987..	5 654	149	361	615	50	389	578
.....1982..	4 941	116	330	545	38	331	496
.....acres, 1987..	272 588	1 864	31 934	20 987	2 200	16 730	33 548
.....1982..	265 866	1 812	34 066	21 201	1 474	15 906	31 975
Harvested cropland.....farms, 1987..	5 084	134	326	526	43	345	535
.....1982..	4 608	111	313	499	32	290	466
.....acres, 1987..	194 874	(D)	22 280	14 554	709	12 714	23 715
.....1982..	197 769	(D)	24 370	15 622	830	11 638	23 364
Cropland used only for pasture or grazing.....farms, 1987..	2 164	26	198	256	21	119	277
.....1982..	1 853	11	181	194	15	130	252
.....acres, 1987..	52 884	(D)	7 166	4 576	1 357	2 331	7 456
.....1982..	51 683	(D)	7 459	4 406	588	3 033	7 373
Other cropland.....farms, 1987..	1 267	33	102	136	11	96	126
.....1982..	903	19	44	102	6	70	82
.....acres, 1987..	24 830	261	2 488	1 857	134	1 685	2 377
.....1982..	16 414	139	2 237	1 173	56	1 235	1 238
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....farms, 1987..	362	10	44	33	6	20	47
.....1982..	284	11	22	30	3	21	29
.....acres, 1987..	6 986	88	821	288	42	202	810
.....1982..	4 795	50	285	295	22	236	582

See footnotes at end of table.

Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982—Con.

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

All Farms	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>FARMS AND LAND IN FARMS</b>								
Farms ----- number, 1987..	490	624	569	12	212	775	5	1 191
----- number, 1982..	392	559	567	6	205	649	4	1 014
Land in farms ----- acres, 1987..	46 747	64 567	38 709	819	13 124	77 140	(D)	134 689
----- acres, 1982..	43 835	63 624	40 173	(D)	13 398	80 392	(D)	133 612
Average size of farm ----- acres, 1987..	95	103	68	68	62	100	(D)	113
----- acres, 1982..	112	114	71	(D)	65	124	(D)	132
Value of land and buildings:								
Average per farm ----- dollars, 1987..	283 605	259 069	313 826	(D)	287 080	397 271	(D)	443 586
----- dollars, 1982..	180 747	156 487	264 041	349 500	186 610	254 542	147 250	194 823
Average per acre ----- dollars, 1987..	2 919	2 601	4 960	(D)	5 100	3 963	(D)	3 761
----- dollars, 1982..	1 928	1 590	4 366	5 652	(D)	2 184	(D)	1 591
Approximate land area ----- acres, 1987..	395 584	338 009	525 792	30 316	255 827	419 296	36 268	968 582
Proportion in farms ----- percent, 1987..	11.8	19.1	7.4	2.7	5.1	18.4	(D)	13.9
1987 size of farm:								
1 to 9 acres ----- farms..	74	95	132	6	58	158	4	144
----- acres..	328	480	572	21	259	797	5	627
10 to 49 acres ----- farms..	160	209	213	2	82	342	1	351
----- acres..	4 142	5 225	5 313	(D)	2 005	8 223	(D)	8 891
50 to 69 acres ----- farms..	48	52	58	-	18	72	-	133
----- acres..	2 734	2 993	3 350	-	1 025	4 099	-	7 740
70 to 99 acres ----- farms..	55	66	45	-	16	38	-	118
----- acres..	4 598	5 295	3 674	-	1 308	3 086	-	9 801
100 to 139 acres ----- farms..	46	65	41	2	20	54	-	132
----- acres..	5 342	7 509	4 752	(D)	(D)	6 205	-	15 318
140 to 179 acres ----- farms..	29	28	22	-	3	21	-	83
----- acres..	4 522	4 400	3 488	-	(D)	3 221	-	12 877
180 to 219 acres ----- farms..	23	30	25	-	4	23	-	70
----- acres..	4 523	5 966	4 920	-	(D)	4 563	-	13 911
220 to 259 acres ----- farms..	15	23	11	1	2	7	-	44
----- acres..	3 489	5 452	2 661	(D)	(D)	1 649	-	10 525
260 to 499 acres ----- farms..	29	37	17	1	6	41	-	89
----- acres..	10 202	12 730	6 055	(D)	(D)	14 246	-	30 396
500 to 999 acres ----- farms..	10	15	5	-	2	9	-	21
----- acres..	(D)	8 298	3 824	-	(D)	5 227	-	13 279
1,000 to 1,999 acres ----- farms..	1	3	-	-	1	7	-	5
----- acres..	(D)	(D)	-	-	(D)	(D)	-	(D)
2,000 acres or more ----- farms..	-	1	-	-	-	3	-	1
----- acres..	-	(D)	-	-	-	(D)	-	(D)
1982 size of farm:								
1 to 9 acres ----- farms..	44	75	142	2	72	121	3	118
----- acres..	167	332	550	(D)	334	520	(D)	497
10 to 49 acres ----- farms..	107	182	191	1	57	267	1	239
----- acres..	2 681	4 533	4 891	(D)	1 314	6 674	(D)	6 180
50 to 69 acres ----- farms..	37	44	63	1	17	56	-	98
----- acres..	2 143	2 530	3 562	(D)	974	3 275	-	5 821
70 to 99 acres ----- farms..	52	51	44	1	14	53	-	103
----- acres..	4 308	4 180	3 569	(D)	1 114	4 254	-	8 446
100 to 139 acres ----- farms..	45	55	49	-	21	53	-	127
----- acres..	5 230	6 470	5 596	-	2 408	6 078	-	14 808
140 to 179 acres ----- farms..	32	32	26	-	6	21	-	87
----- acres..	5 057	5 049	4 033	-	980	3 294	-	13 680
180 to 219 acres ----- farms..	19	32	12	1	6	16	-	64
----- acres..	3 758	6 347	2 383	(D)	(D)	3 216	-	12 607
220 to 259 acres ----- farms..	10	21	11	-	5	9	-	44
----- acres..	2 437	4 989	2 638	-	(D)	2 090	-	10 516
260 to 499 acres ----- farms..	39	49	21	-	4	33	-	102
----- acres..	13 562	16 269	7 327	-	1 741	11 407	-	35 919
500 to 999 acres ----- farms..	7	16	8	-	2	14	-	26
----- acres..	4 492	(D)	5 624	-	(D)	8 128	-	15 830
1,000 to 1,999 acres ----- farms..	-	1	-	-	1	3	-	5
----- acres..	-	(D)	-	-	(D)	3 734	-	(D)
2,000 acres or more ----- farms..	-	1	-	-	-	3	-	1
----- acres..	-	(D)	-	-	-	27 722	-	(D)
<b>LAND IN FARMS ACCORDING TO USE</b>								
Total cropland ----- farms, 1987..	451	563	481	10	183	723	4	1 097
----- farms, 1982..	356	521	498	6	176	588	4	936
----- acres, 1987..	18 577	34 104	20 266	518	6 567	23 481	10	61 802
----- acres, 1982..	18 694	34 443	19 780	320	5 324	23 288	13	57 570
Harvested cropland ----- farms, 1987..	404	528	438	10	159	668	4	964
----- farms, 1982..	338	493	460	6	156	561	4	879
----- acres, 1987..	14 014	24 290	15 064	441	4 003	19 360	(D)	42 309
----- acres, 1982..	13 089	26 465	15 491	(D)	3 486	19 313	13	42 388
Cropland used only for pasture or grazing ----- farms, 1987..	175	231	134	2	67	141	-	517
----- farms, 1982..	134	199	147	2	63	108	-	417
----- acres, 1987..	3 262	5 874	3 223	(D)	1 955	1 753	-	13 681
----- acres, 1982..	3 876	5 969	3 294	(D)	1 494	2 443	-	11 455
Other cropland ----- farms, 1987..	101	146	119	2	32	134	2	227
----- farms, 1982..	78	110	94	-	30	90	-	178
----- acres, 1987..	1 301	3 940	1 979	(D)	609	2 368	(D)	5 812
----- acres, 1982..	1 729	2 009	995	-	344	1 532	-	3 727
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured ----- farms, 1987..	38	36	30	1	7	26	2	62
----- farms, 1982..	24	38	22	-	11	15	-	58
----- acres, 1987..	515	1 874	356	(D)	77	986	(D)	920
----- acres, 1982..	498	974	154	-	184	454	-	1 061

See footnotes at end of table.

**Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982—Con.**

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

All Farms	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>							
Total cropland-Con.							
Other cropland-Con.							
Cropland on which all crops failed..... farms, 1987--	208	5	13	21	2	15	15
1982--	207	1	4	25	3	16	17
acres, 1987--	1 531	(D)	86	186	(D)	99	154
1982--	1 954	(D)	(D)	223	(D)	363	93
Cropland in cultivated summer fallow ..... farms, 1987--	73	1	8	4	4	3	8
1982--	81	-	1	12	-	5	7
acres, 1987--	946	(D)	26	14	(D)	33	42
1982--	615	-	(D)	91	-	17	66
Cropland idle..... farms, 1987--	857	23	74	92	7	73	83
1982--	518	12	28	46	1	47	45
acres, 1987--	15 367	154	1 555	1 369	57	1 351	1 371
1982--	9 050	(D)	1 921	564	(D)	619	497
Total woodland..... farms, 1987--	3 382	48	261	325	29	189	413
1982--	3 273	48	241	334	24	183	400
acres, 1987--	225 442	(D)	29 213	12 958	2 711	8 038	38 979
1982--	252 050	(D)	29 806	13 749	3 453	9 658	40 827
Woodland pastured ..... farms, 1987--	1 049	6	134	84	10	67	129
1982--	982	3	91	78	3	32	169
acres, 1987--	35 745	96	5 305	1 502	1 902	2 294	5 520
1982--	35 317	(D)	4 529	2 176	(D)	594	7 182
Woodland not pastured ..... farms, 1987--	2 933	44	216	274	22	152	379
1982--	2 920	47	217	288	23	169	360
acres, 1987--	189 697	(D)	23 908	11 456	809	5 744	33 459
1982--	216 733	1 423	25 277	11 573	(D)	9 064	33 645
Other land ..... farms, 1987--	4 510	121	307	452	43	322	457
1982--	3 963	90	271	407	28	287	402
acres, 1987--	117 155	1 524	9 645	8 617	2 403	6 172	10 337
1982--	94 903	(D)	9 582	6 933	2 428	4 719	6 610
Pastureland and rangeland other than cropland and woodland pastured ..... farms, 1987--	1 269	14	132	121	14	78	160
1982--	871	11	89	71	7	52	110
acres, 1987--	44 998	(D)	5 127	2 193	1 457	1 308	3 987
1982--	32 021	(D)	4 703	2 814	(D)	1 508	3 191
Land in house lots, ponds, roads, wasteland, etc. .... farms, 1987--	4 123	118	259	407	41	307	407
1982--	3 732	89	249	375	27	275	381
acres, 1987--	72 157	(D)	4 518	6 424	946	4 864	6 350
1982--	62 882	1 290	4 859	4 119	(D)	3 211	3 419
Pastureland, all types ..... farms, 1987--	3 355	45	289	361	34	208	395
1982--	2 820	21	260	272	21	190	365
acres, 1987--	133 827	487	17 598	8 271	4 716	5 933	16 963
1982--	119 021	(D)	16 691	9 396	2 495	5 135	17 746
Cropland diverted under annual commodity acreage adjustment programs..... farms, 1987--	23	-	5	1	-	-	5
1982--	11	-	2	-	-	1	3
acres, 1987--	829	-	(D)	(D)	-	-	172
1982--	103	-	(D)	-	-	(D)	3
Cropland placed under the conservation reserve program..... farms, 1987--	19	-	2	2	-	-	3
acres, 1987--	677	-	(D)	(D)	-	-	40

See footnotes at end of table.



**Table 5. Farms, Land in Farms, and Land Use: 1987 and 1982—Con.**

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

All Farms	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>LAND IN FARMS ACCORDING TO USE—Con.</b>								
Total cropland-Con.								
Other cropland-Con.								
Cropland on which all crops failed..... farms, 1987..	8	28	20	1	8	32	-	40
1982..	16	30	26	-	4	21	-	44
acres, 1987..	41	156	157	(D)	76	210	-	337
1982..	156	448	206	-	19	157	-	244
Cropland in cultivated summer fallow ..... farms, 1987..	11	6	9	-	2	3	-	14
1982..	11	9	8	-	2	8	-	18
acres, 1987..	116	174	198	-	(D)	39	-	271
1982..	106	50	54	-	(D)	104	-	107
Cropland idle..... farms, 1987..	59	97	81	1	21	90	-	156
1982..	48	62	58	-	17	56	-	98
acres, 1987..	629	1 736	1 268	(D)	(D)	1 133	-	4 284
1982..	969	537	581	-	(D)	817	-	2 315
Total woodland..... farms, 1987..	286	342	272	1	100	358	-	758
1982..	261	319	280	1	100	354	1	727
acres, 1987..	20 480	22 990	11 175	(D)	4 325	21 509	-	51 529
1982..	19 113	22 331	12 300	(D)	5 644	35 223	(D)	58 472
Woodland pastured ..... farms, 1987..	77	114	86	-	32	42	-	268
1982..	92	98	55	1	25	65	-	270
acres, 1987..	2 056	3 873	2 563	-	641	1 767	-	8 226
1982..	2 047	4 466	1 051	(D)	228	981	-	11 527
Woodland not pastured ..... farms, 1987..	258	291	224	1	79	338	-	655
1982..	230	280	252	-	90	326	1	637
acres, 1987..	18 424	19 117	8 612	(D)	3 684	19 742	-	43 303
1982..	17 066	17 865	11 249	-	5 416	34 242	(D)	46 945
Other land ..... farms, 1987..	381	434	397	6	157	607	2	824
1982..	287	382	411	2	154	496	2	744
acres, 1987..	7 690	7 473	7 268	(D)	2 232	32 150	(D)	21 358
1982..	6 028	6 850	8 093	(D)	2 430	21 881	(D)	17 570
Pastureland and rangeland other than cropland and woodland pastured..... farms, 1987..	107	146	113	1	46	71	1	265
1982..	71	86	70	-	28	83	-	193
acres, 1987..	1 849	3 398	1 852	(D)	728	13 064	(D)	9 788
1982..	2 529	3 016	1 827	-	572	3 320	-	6 665
Land in house lots, ponds, roads, wasteland, etc. .... farms, 1987..	345	384	365	5	145	596	1	743
1982..	271	352	390	2	148	478	2	693
acres, 1987..	5 841	4 075	5 416	(D)	1 504	19 086	(D)	11 570
1982..	3 499	3 834	6 266	(D)	1 858	18 561	(D)	10 905
Pastureland, all types ..... farms, 1987..	275	361	256	2	114	229	1	785
1982..	214	298	229	2	94	208	-	646
acres, 1987..	7 167	13 145	7 638	(D)	3 324	16 584	(D)	31 695
1982..	8 452	13 451	6 172	(D)	2 294	6 744	-	29 647
Cropland diverted under annual commodity acreage adjustment programs..... farms, 1987..	-	9	2	-	-	-	-	1
1982..	1	2	2	-	-	-	-	-
acres, 1987..	-	(D)	(D)	-	-	-	-	(D)
1982..	(D)	(D)	(D)	-	-	-	-	-
Cropland placed under the conservation reserve program..... farms, 1987..	-	4	2	-	4	1	-	1
acres, 1987..	-	(D)	(D)	-	98	(D)	-	(D)

<sup>1</sup>Data are based on a sample of farms, see text.

**Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982**

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

Farms with harvested cropland	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>Farms..... number, 1987..</b>	<b>5 084</b>	<b>134</b>	<b>326</b>	<b>526</b>	<b>43</b>	<b>345</b>	<b>535</b>
<b>..... number, 1982..</b>	<b>4 608</b>	<b>111</b>	<b>313</b>	<b>499</b>	<b>32</b>	<b>290</b>	<b>466</b>
<b>..... acres harvested, 1987..</b>	<b>194 874</b>	<b>(D)</b>	<b>22 280</b>	<b>14 554</b>	<b>709</b>	<b>12 714</b>	<b>23 715</b>
<b>..... acres harvested, 1982..</b>	<b>197 769</b>	<b>(D)</b>	<b>24 370</b>	<b>15 622</b>	<b>830</b>	<b>11 638</b>	<b>23 364</b>
<b>HARVESTED CROPLAND BY SIZE OF FARM</b>							
<b>1987 size of farm:</b>							
1 to 9 acres..... farms..	742	59	24	101	14	66	38
..... acres harvested..	1 798	118	51	284	27	141	91
10 to 49 acres..... farms..	1 622	53	67	182	11	132	124
..... acres harvested..	17 299	454	866	1 944	91	1 707	1 476
50 to 69 acres..... farms..	512	9	28	63	4	33	45
..... acres harvested..	10 962	99	615	1 577	130	958	868
70 to 99 acres..... farms..	486	5	25	62	4	29	60
..... acres harvested..	14 596	60	890	1 428	131	1 015	1 828
100 to 139 acres..... farms..	510	3	34	49	4	20	76
..... acres harvested..	19 876	(D)	1 337	2 570	(D)	1 171	2 743
140 to 179 acres..... farms..	294	1	27	26	-	20	47
..... acres harvested..	14 414	(D)	903	1 693	-	1 582	1 835
180 to 219 acres..... farms..	249	-	26	4	-	11	41
..... acres harvested..	16 492	-	1 958	128	-	948	1 897
220 to 259 acres..... farms..	156	2	12	13	1	11	20
..... acres harvested..	13 816	(D)	978	1 416	(D)	1 115	1 911
260 to 499 acres..... farms..	364	1	46	21	-	16	68
..... acres harvested..	44 663	(D)	5 716	2 403	-	2 370	7 315
500 to 999 acres..... farms..	119	1	32	5	3	6	15
..... acres harvested..	26 351	(D)	7 177	1 111	100	(D)	(D)
1,000 to 1,999 acres..... farms..	25	-	5	-	2	1	1
..... acres harvested..	8 500	-	1 789	-	(D)	(D)	(D)
2,000 acres or more..... farms..	5	-	-	-	-	-	-
..... acres harvested..	6 107	-	-	-	-	-	-
<b>1982 size of farm:</b>							
1 to 9 acres..... farms..	637	40	19	88	7	49	31
..... acres harvested..	(D)	79	31	230	17	105	99
10 to 49 acres..... farms..	1 338	51	62	187	5	100	81
..... acres harvested..	15 078	435	874	2 302	(D)	996	1 001
50 to 69 acres..... farms..	420	4	24	47	2	31	41
..... acres harvested..	9 403	90	578	1 140	(D)	832	822
70 to 99 acres..... farms..	439	6	24	47	6	25	45
..... acres harvested..	12 552	(D)	836	1 207	194	806	1 119
100 to 139 acres..... farms..	485	4	19	47	7	21	60
..... acres harvested..	19 381	156	748	2 170	127	1 023	1 996
140 to 179 acres..... farms..	299	3	24	26	3	18	37
..... acres harvested..	16 550	129	1 096	2 299	342	1 261	1 692
180 to 219 acres..... farms..	266	-	38	22	-	9	49
..... acres harvested..	18 843	-	2 882	1 980	-	834	3 230
220 to 259 acres..... farms..	162	-	18	9	-	11	27
..... acres harvested..	12 870	-	1 300	1 239	-	991	1 965
260 to 499 acres..... farms..	408	2	49	21	1	20	75
..... acres harvested..	46 841	(D)	6 302	2 118	(D)	2 687	6 809
500 to 999 acres..... farms..	126	-	28	4	-	5	19
..... acres harvested..	29 093	-	6 577	(D)	-	(D)	(D)
1,000 to 1,999 acres..... farms..	20	1	7	1	-	-	1
..... acres harvested..	8 055	(D)	(D)	(D)	-	-	(D)
2,000 acres or more..... farms..	8	-	1	-	1	1	-
..... acres harvested..	(D)	-	(D)	-	(D)	(D)	-
<b>HARVESTED CROPLAND BY ACRES HARVESTED</b>							
<b>1987 acres harvested:</b>							
1 to 9 acres..... farms..	1 900	99	65	208	24	141	136
..... acres..	6 890	265	213	749	(D)	464	532
10 to 19 acres..... farms..	965	19	51	123	3	60	105
..... acres..	12 642	(D)	665	1 585	(D)	769	1 391
20 to 29 acres..... farms..	572	5	51	54	6	34	65
..... acres..	13 220	(D)	1 159	1 226	120	807	1 505
30 to 49 acres..... farms..	591	6	40	53	6	35	87
..... acres..	21 780	232	1 456	2 010	201	1 322	3 153
50 to 99 acres..... farms..	544	4	50	51	3	35	81
..... acres..	36 429	(D)	3 553	3 406	(D)	2 447	5 490
100 to 199 acres..... farms..	336	-	38	33	1	31	39
..... acres..	44 773	-	5 199	4 490	(D)	4 205	5 128
200 to 499 acres..... farms..	153	1	27	4	-	9	20
..... acres..	42 463	(D)	7 755	1 088	-	2 700	(D)
500 to 999 acres..... farms..	21	-	4	-	-	-	2
..... acres..	(D)	-	2 280	-	-	-	(D)
1,000 acres or more..... farms..	2	-	-	-	-	-	-
..... acres..	(D)	-	-	-	-	-	-
<b>1982 acres harvested:</b>							
1 to 9 acres..... farms..	1 626	78	60	185	15	118	111
..... acres..	6 141	256	202	691	55	420	523
10 to 19 acres..... farms..	759	15	42	117	4	53	65
..... acres..	9 962	191	569	1 533	68	669	851
20 to 29 acres..... farms..	525	7	30	49	5	20	65
..... acres..	12 178	165	691	1 149	(D)	457	1 511
30 to 49 acres..... farms..	591	7	48	55	4	33	84
..... acres..	21 864	254	1 807	2 070	(D)	1 193	3 132
50 to 99 acres..... farms..	571	2	59	45	2	31	73
..... acres..	38 992	(D)	4 208	3 048	(D)	2 179	5 008
100 to 199 acres..... farms..	356	-	42	42	2	26	43
..... acres..	47 164	-	5 729	5 720	(D)	3 450	5 313
200 to 499 acres..... farms..	160	2	28	6	-	7	22
..... acres..	43 825	(D)	7 642	1 411	-	(D)	5 354
500 to 999 acres..... farms..	16	-	3	-	-	2	3
..... acres..	10 457	-	(D)	-	-	(D)	1 672
1,000 acres or more..... farms..	4	-	1	-	-	-	-
..... acres..	7 186	-	(D)	-	-	-	-

Table 6. Harvested Cropland by Size of Farm and Acres Harvested: 1987 and 1982—Con.

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

Farms with harvested cropland	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Farms..... number, 1987..	404	528	438	10	159	668	4	964
..... number, 1982..	338	493	460	6	156	561	4	879
..... acres harvested, 1987..	14 014	24 290	15 064	441	4 003	19 360	(D)	42 309
..... acres harvested, 1982..	13 089	26 465	15 491	(D)	3 486	19 313	13	42 388
<b>HARVESTED CROPLAND BY SIZE OF FARM</b>								
1987 size of farm:								
1 to 9 acres..... farms..	38	68	89	6	42	115	3	79
..... acres harvested..	88	203	188	(D)	93	314	(D)	177
10 to 49 acres..... farms..	128	161	154	2	58	288	1	261
..... acres harvested..	1 285	2 064	1 621	(D)	434	2 528	(D)	2 795
50 to 69 acres..... farms..	45	46	46	-	14	65	-	114
..... acres harvested..	887	1 241	1 145	-	370	1 077	-	1 995
70 to 99 acres..... farms..	50	62	40	-	10	37	-	102
..... acres harvested..	1 373	1 976	1 269	-	472	1 052	-	3 102
100 to 139 acres..... farms..	41	61	34	-	20	53	-	115
..... acres harvested..	1 488	2 700	1 379	-	718	1 317	-	4 206
140 to 179 acres..... farms..	28	26	22	-	2	21	-	74
..... acres harvested..	1 480	1 335	1 285	(D)	-	1 076	-	3 114
180 to 219 acres..... farms..	22	26	24	-	4	23	-	68
..... acres harvested..	1 360	1 741	2 168	-	517	971	-	4 804
220 to 259 acres..... farms..	14	22	9	1	-	7	-	44
..... acres harvested..	895	1 995	1 381	(D)	-	346	-	3 356
260 to 499 acres..... farms..	29	37	16	1	6	41	-	82
..... acres harvested..	2 780	5 173	3 128	(D)	1 018	(D)	-	10 802
500 to 999 acres..... farms..	8	15	4	-	2	8	-	20
..... acres harvested..	(D)	3 307	1 500	-	(D)	997	-	5 273
1,000 to 1,999 acres..... farms..	1	3	-	-	1	7	-	4
..... acres harvested..	(D)	(D)	-	-	(D)	1 396	-	(D)
2,000 acres or more..... farms..	-	-	-	-	-	3	-	1
..... acres harvested..	-	(D)	-	-	-	(D)	-	(D)
1982 size of farm:								
1 to 9 acres..... farms..	28	53	98	2	54	86	3	79
..... acres harvested..	54	174	220	(D)	123	219	(D)	186
10 to 49 acres..... farms..	90	155	150	1	39	231	1	185
..... acres harvested..	965	2 088	1 678	(D)	291	2 178	(D)	2 176
50 to 69 acres..... farms..	32	42	53	1	9	47	-	88
..... acres harvested..	715	899	1 454	(D)	263	657	-	1 860
70 to 99 acres..... farms..	46	47	40	1	12	48	-	92
..... acres harvested..	1 244	1 496	1 425	(D)	301	1 357	-	2 427
100 to 139 acres..... farms..	39	53	45	-	21	52	-	117
..... acres harvested..	1 536	2 607	2 113	-	889	1 655	-	4 361
140 to 179 acres..... farms..	31	29	24	-	4	20	-	80
..... acres harvested..	1 890	1 963	1 251	-	230	1 033	-	3 364
180 to 219 acres..... farms..	19	31	12	1	6	16	-	63
..... acres harvested..	1 271	2 291	1 128	(D)	(D)	759	-	4 085
220 to 259 acres..... farms..	10	18	11	-	5	9	-	44
..... acres harvested..	615	1 738	1 242	-	359	290	-	3 131
260 to 499 acres..... farms..	36	47	19	-	4	33	-	101
..... acres harvested..	3 655	6 367	2 944	-	399	3 225	-	12 112
500 to 999 acres..... farms..	7	16	8	-	2	13	-	24
..... acres harvested..	1 144	(D)	2 036	-	(D)	1 709	-	5 658
1,000 to 1,999 acres..... farms..	-	1	-	-	1	3	-	5
..... acres harvested..	-	(D)	-	-	(D)	707	-	(D)
2,000 acres or more..... farms..	-	1	-	-	-	3	-	1
..... acres harvested..	-	(D)	-	-	-	5 524	-	(D)
<b>HARVESTED CROPLAND BY ACRES HARVESTED</b>								
1987 acres harvested:								
1 to 9 acres..... farms..	142	158	198	7	85	345	4	288
..... acres..	573	643	675	(D)	260	1 302	(D)	1 107
10 to 19 acres..... farms..	87	107	69	-	26	140	-	175
..... acres..	1 122	1 485	844	-	335	1 930	-	2 232
20 to 29 acres..... farms..	38	61	44	1	11	62	-	140
..... acres..	860	1 369	1 050	(D)	251	1 452	-	3 280
30 to 49 acres..... farms..	64	77	39	-	16	52	-	116
..... acres..	2 420	2 773	1 450	-	578	1 902	-	4 283
50 to 99 acres..... farms..	41	66	46	-	10	35	-	122
..... acres..	2 729	4 578	2 935	-	612	2 418	-	7 739
100 to 199 acres..... farms..	21	37	27	1	5	19	-	84
..... acres..	3 034	4 856	3 483	(D)	645	(D)	-	11 014
200 to 499 acres..... farms..	11	16	13	1	6	12	-	33
..... acres..	3 276	4 918	(D)	(D)	1 322	3 234	-	8 972
500 to 999 acres..... farms..	-	6	2	-	-	1	-	6
..... acres..	-	3 668	(D)	-	-	(D)	-	3 682
1,000 acres or more..... farms..	-	-	-	-	-	2	-	-
..... acres..	-	-	-	-	-	(D)	-	-
1982 acres harvested:								
1 to 9 acres..... farms..	108	147	209	3	89	273	4	226
..... acres..	424	641	700	6	277	1 073	13	860
10 to 19 acres..... farms..	57	77	60	-	13	113	-	143
..... acres..	754	1 004	792	-	164	1 517	-	1 850
20 to 29 acres..... farms..	43	62	45	1	14	54	-	130
..... acres..	999	1 490	1 029	(D)	336	1 286	-	2 932
30 to 49 acres..... farms..	45	60	62	1	20	51	-	121
..... acres..	1 693	2 245	2 329	(D)	752	1 836	-	4 375
50 to 99 acres..... farms..	47	75	46	1	12	36	-	142
..... acres..	3 073	5 159	3 119	(D)	830	2 457	-	9 528
100 to 199 acres..... farms..	27	51	24	-	6	20	-	73
..... acres..	3 356	7 143	3 167	-	(D)	2 544	-	9 684
200 to 499 acres..... farms..	11	18	13	-	2	11	-	40
..... acres..	2 790	6 189	(D)	-	(D)	3 076	-	10 523
500 to 999 acres..... farms..	-	3	1	-	-	1	-	3
..... acres..	-	2 594	(D)	-	-	(D)	-	(D)
1,000 acres or more..... farms..	-	-	-	-	-	2	-	1
..... acres..	-	-	-	-	-	(D)	-	(D)

**Table 7. Irrigation: 1987 and 1982**

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

Farms with irrigation	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
Farms ..... number, 1987 ..	1 316	112	25	136	15	104	47
..... number, 1982 ..	1 000	80	15	107	9	69	32
Land in irrigated farms ..... acres, 1987 ..	109 552	3 972	1 569	8 818	379	4 956	4 978
..... acres, 1982 ..	90 084	(D)	395	6 792	414	3 329	2 717
Harvested cropland ..... farms, 1987 ..	1 299	106	25	133	14	103	47
..... farms, 1982 ..	996	80	15	107	9	68	32
..... acres, 1987 ..	32 005	1 301	460	3 385	(D)	2 209	2 252
..... acres, 1982 ..	25 283	1 046	212	2 387	174	1 429	1 215
Other cropland, excluding cropland pastured ..... farms, 1987 ..	339	23	11	34	5	27	19
..... farms, 1982 ..	206	11	3	17	3	22	18
..... acres, 1987 ..	4 935	190	104	439	65	230	498
..... acres, 1982 ..	3 294	95	44	333	32	255	270
Pastureland, excluding woodland pastured --- farms, 1987 ..	238	20	6	21	4	19	13
..... farms, 1982 ..	171	7	3	14	3	11	9
..... acres, 1987 ..	15 705	188	76	424	27	384	198
..... acres, 1982 ..	4 746	(D)	33	300	21	142	50
Irrigated land ..... acres, 1987 ..	20 158	1 265	82	1 699	(D)	878	941
..... acres, 1982 ..	17 331	996	135	1 337	68	586	470
Harvested cropland ..... farms, 1987 ..	1 290	106	25	133	14	102	47
..... farms, 1982 ..	989	80	15	105	9	67	30
..... acres, 1987 ..	19 566	1 206	82	(D)	(D)	(D)	941
..... acres, 1982 ..	17 012	(D)	(D)	(D)	68	(D)	(D)
Pastureland and other land ..... farms, 1987 ..	60	9	-	4	1	2	-
..... farms, 1982 ..	31	2	-	2	-	4	2
..... acres, 1987 ..	592	59	-	(D)	(D)	(D)	-
..... acres, 1982 ..	319	(D)	(D)	(D)	-	(D)	(D)
1987 irrigated acres by size of farm:							
1 to 9 acres ..... farms ..	367	49	12	39	6	42	7
..... acres irrigated ..	722	101	18	69	(D)	66	12
10 to 49 acres ..... farms ..	484	43	4	47	6	34	16
..... acres irrigated ..	3 371	384	12	313	30	331	93
50 to 69 acres ..... farms ..	113	7	3	8	2	6	4
..... acres irrigated ..	1 399	78	17	98	(D)	58	(D)
70 to 99 acres ..... farms ..	78	5	2	14	1	6	2
..... acres irrigated ..	1 246	60	(D)	118	(D)	78	(D)
100 to 139 acres ..... farms ..	76	3	-	10	-	2	4
..... acres irrigated ..	1 974	128	-	348	-	(D)	103
140 to 179 acres ..... farms ..	52	1	-	6	-	4	4
..... acres irrigated ..	1 467	(D)	-	326	-	124	91
180 to 219 acres ..... farms ..	38	-	1	-	-	4	5
..... acres irrigated ..	983	-	(D)	-	-	77	41
220 to 259 acres ..... farms ..	26	2	2	5	-	4	-
..... acres irrigated ..	659	(D)	(D)	171	-	9	-
260 to 499 acres ..... farms ..	59	1	1	5	-	2	4
..... acres irrigated ..	3 657	(D)	(D)	(D)	-	(D)	336
500 to 999 acres ..... farms ..	13	1	-	2	-	-	1
..... acres irrigated ..	1 449	(D)	-	(D)	-	-	(D)
1,000 to 1,999 acres ..... farms ..	8	-	-	-	-	-	-
..... acres irrigated ..	(D)	-	-	-	-	-	-
2,000 acres or more ..... farms ..	2	-	-	-	-	-	-
..... acres irrigated ..	(D)	-	-	-	-	-	-
1982 irrigated acres by size of farm:							
1 to 9 acres ..... farms ..	242	26	8	31	2	22	4
..... acres irrigated ..	505	61	11	67	(D)	46	5
10 to 49 acres ..... farms ..	380	38	5	38	3	28	12
..... acres irrigated ..	2 842	343	(D)	301	7	215	115
50 to 69 acres ..... farms ..	86	3	1	9	1	8	2
..... acres irrigated ..	1 362	63	(D)	193	(D)	167	(D)
70 to 99 acres ..... farms ..	75	5	-	10	3	1	4
..... acres irrigated ..	1 175	113	-	113	39	(D)	68
100 to 139 acres ..... farms ..	73	3	-	7	-	2	4
..... acres irrigated ..	1 644	90	-	145	-	(D)	44
140 to 179 acres ..... farms ..	37	3	-	2	-	3	1
..... acres irrigated ..	1 248	(D)	-	(D)	-	44	(D)
180 to 219 acres ..... farms ..	24	-	1	3	-	1	3
..... acres irrigated ..	747	-	(D)	120	-	(D)	52
220 to 259 acres ..... farms ..	14	-	-	-	-	1	-
..... acres irrigated ..	486	-	-	-	-	(D)	-
260 to 499 acres ..... farms ..	48	2	-	5	-	3	2
..... acres irrigated ..	3 110	(D)	-	183	-	60	(D)
500 to 999 acres ..... farms ..	14	-	-	2	-	-	-
..... acres irrigated ..	951	-	-	(D)	-	-	-
1,000 to 1,999 acres ..... farms ..	4	-	-	-	-	-	-
..... acres irrigated ..	804	-	-	-	-	-	-
2,000 acres or more ..... farms ..	3	-	-	-	-	-	-
..... acres irrigated ..	2 457	-	-	-	-	-	-

**Table 7. Irrigation: 1987 and 1982—Con.**

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

Farms with irrigation	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Farms ..... number, 1987..	67	46	129	10	56	465	4	100
..... 1982..	53	22	108	5	52	359	3	86
Land in irrigated farms ..... acres, 1987..	4 792	2 588	6 776	(D)	2 124	56 715	(D)	11 222
..... 1982..	3 561	3 217	5 396	279	2 569	49 588	(D)	8 586
Harvested cropland ..... farms, 1987..	66	46	128	10	54	483	4	100
..... 1982..	53	22	106	5	51	359	3	86
..... acres, 1987..	1 881	1 078	3 249	441	608	11 622	(D)	3 356
..... 1982..	1 572	1 425	2 704	(D)	548	10 207	(D)	2 184
Other cropland, excluding cropland pastured ..... farms, 1987..	17	23	39	2	12	84	2	41
..... 1982..	19	5	24	-	12	45	-	27
..... acres, 1987..	438	293	569	(D)	333	1 114	(D)	643
..... 1982..	348	534	328	-	114	747	-	194
Pastureland, excluding woodland pastured ..... farms, 1987..	15	11	25	2	12	57	1	32
..... 1982..	7	4	18	1	9	61	-	24
..... acres, 1987..	141	186	475	(D)	269	12 150	(D)	1 081
..... 1982..	243	60	145	(D)	108	2 187	-	1 265
Irrigated land ..... acres, 1987..	801	449	1 253	439	338	11 028	(D)	838
..... 1982..	916	380	1 034	110	469	9 677	8	1 145
Harvested cropland ..... farms, 1987..	83	46	126	10	54	483	3	98
..... 1982..	53	22	106	5	50	359	3	85
..... acres, 1987..	763	(D)	1 177	439	302	10 931	(D)	742
..... 1982..	(D)	380	(D)	110	434	9 517	8	1 116
Pastureland and other land ..... farms, 1987..	5	2	4	-	3	24	1	5
..... 1982..	1	-	2	-	4	7	-	6
..... acres, 1987..	38	(D)	76	-	36	97	(D)	96
..... 1982..	(D)	-	(D)	-	35	160	-	29
1987 irrigated acres by size of farm:								
1 to 9 acres ..... farms..	17	14	50	6	26	74	3	22
..... acres irrigated..	35	22	95	20	48	188	(D)	34
10 to 49 acres ..... farms..	21	16	44	2	18	200	1	32
..... acres irrigated..	91	96	258	(D)	76	1 480	(D)	139
50 to 69 acres ..... farms..	8	3	10	-	3	47	-	12
..... acres irrigated..	111	24	191	-	62	555	-	159
70 to 99 acres ..... farms..	2	6	4	-	1	26	-	9
..... acres irrigated..	(D)	89	91	-	(D)	557	-	79
100 to 139 acres ..... farms..	4	2	5	-	4	38	-	4
..... acres irrigated..	66	(D)	207	-	78	931	-	36
140 to 179 acres ..... farms..	6	1	7	-	2	14	-	7
..... acres irrigated..	221	(D)	72	-	(D)	445	-	67
180 to 219 acres ..... farms..	3	-	5	-	1	16	-	3
..... acres irrigated..	(D)	-	261	-	(D)	464	-	64
220 to 259 acres ..... farms..	4	2	-	1	-	4	-	2
..... acres irrigated..	6	(D)	-	(D)	-	104	-	(D)
260 to 499 acres ..... farms..	2	2	3	1	1	32	-	5
..... acres irrigated..	(D)	(D)	(D)	(D)	(D)	2 110	-	213
500 to 999 acres ..... farms..	-	-	1	-	-	6	-	2
..... acres irrigated..	-	-	(D)	-	-	966	-	(D)
1,000 to 1,999 acres ..... farms..	-	-	-	-	-	6	-	2
..... acres irrigated..	-	-	-	-	-	(D)	-	(D)
2,000 acres or more ..... farms..	-	-	-	-	-	2	-	-
..... acres irrigated..	-	-	-	-	-	(D)	-	-
1982 irrigated acres by size of farm:								
1 to 9 acres ..... farms..	9	1	39	2	27	51	2	18
..... acres irrigated..	14	(D)	75	(D)	60	129	(D)	25
10 to 49 acres ..... farms..	24	13	33	1	14	136	1	34
..... acres irrigated..	197	88	177	(D)	102	1 006	(D)	266
50 to 69 acres ..... farms..	4	4	11	1	-	32	-	10
..... acres irrigated..	76	71	164	(D)	-	391	-	161
70 to 99 acres ..... farms..	3	2	9	-	5	28	-	5
..... acres irrigated..	56	(D)	124	-	13	627	-	7
100 to 139 acres ..... farms..	2	1	9	-	4	37	-	4
..... acres irrigated..	(D)	(D)	309	-	(D)	809	-	11
140 to 179 acres ..... farms..	7	-	3	-	-	15	-	3
..... acres irrigated..	323	-	61	-	-	485	-	26
180 to 219 acres ..... farms..	1	-	2	1	-	10	-	2
..... acres irrigated..	(D)	-	(D)	(D)	-	310	-	(D)
220 to 259 acres ..... farms..	-	-	-	-	1	9	-	3
..... acres irrigated..	-	-	-	-	(D)	294	-	(D)
260 to 499 acres ..... farms..	3	-	1	-	-	28	-	4
..... acres irrigated..	208	-	(D)	-	-	2 144	-	117
500 to 999 acres ..... farms..	-	-	1	-	-	9	-	2
..... acres irrigated..	-	-	(D)	-	-	858	-	(D)
1,000 to 1,999 acres ..... farms..	-	-	-	-	1	2	-	1
..... acres irrigated..	-	-	-	-	(D)	(D)	-	(D)
2,000 acres or more ..... farms..	-	1	-	-	-	2	-	-
..... acres irrigated..	-	(D)	-	-	-	(D)	-	-

**Table 8. Machinery and Equipment on Place: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>VALUE OF MACHINERY AND EQUIPMENT</b>							
Estimated market value of all machinery and equipment ----- farms, 1987 ..	6 207	156	394	673	58	439	608
----- farms, 1982 ..	5 394	123	352	592	39	372	521
----- \$1,000, 1987 ..	198 868	4 859	12 021	18 156	950	14 510	16 357
----- farms, 1982 ..	153 346	2 648	10 113	12 046	1 069	10 550	14 299
Average per farm ----- dollars, 1987 ..	32 039	31 149	30 510	26 978	16 377	33 053	26 903
----- farms, 1982 ..	28 429	21 526	28 729	20 348	27 419	28 360	27 445
Farms by value group:							
\$1 to \$9,999 ----- farms, 1987 ..	2 105	43	133	259	26	177	266
----- farms, 1982 ..	2 043	47	151	262	14	156	160
\$10,000 to \$19,999 ----- farms, 1987 ..	1 271	38	53	112	11	47	149
----- farms, 1982 ..	1 266	40	51	176	9	53	158
\$20,000 to \$29,999 ----- farms, 1987 ..	1 023	29	104	148	15	87	55
----- farms, 1982 ..	668	20	52	47	5	55	82
\$30,000 to \$49,999 ----- farms, 1987 ..	678	23	56	53	2	48	45
----- farms, 1982 ..	536	4	37	42	4	33	50
\$50,000 to \$69,999 ----- farms, 1987 ..	451	11	5	47	1	36	30
----- farms, 1982 ..	366	4	26	34	3	36	29
\$70,000 to \$99,999 ----- farms, 1987 ..	253	4	20	18	3	20	28
----- farms, 1982 ..	222	4	9	11	2	19	12
\$100,000 to \$199,999 ----- farms, 1987 ..	327	5	17	22	2	13	26
----- farms, 1982 ..	217	3	20	19	2	18	9
\$200,000 or more ----- farms, 1987 ..	99	3	6	14	-	11	9
----- farms, 1982 ..	76	1	6	1	-	2	12
\$200,000 to \$499,999 ----- farms, 1987 ..	86	3	5	13	-	10	9
----- farms, 1982 ..	13	-	1	1	-	1	-
<b>SELECTED MACHINERY AND EQUIPMENT</b>							
Motortrucks, including pickups ----- farms, 1987 ..	5 204	140	315	551	43	346	497
----- farms, 1982 ..	4 503	98	303	422	30	325	460
----- number, 1987 ..	10 957	256	539	1 035	61	716	930
----- number, 1982 ..	9 376	183	535	827	46	616	858
Wheel tractors ----- farms, 1987 ..	5 360	96	356	537	47	368	552
----- farms, 1982 ..	4 248	72	305	481	35	245	443
----- number, 1987 ..	13 160	162	1 072	1 523	87	950	1 206
----- number, 1982 ..	9 956	132	772	1 157	60	550	1 058
Less than 40 horsepower (PTO) ----- farms, 1987 ..	4 235	82	314	459	38	303	377
----- farms, 1982 ..	7 624	130	559	949	58	569	565
40 horsepower (PTO) or more ----- farms, 1987 ..	2 915	26	255	292	18	218	336
----- farms, 1982 ..	5 536	32	513	574	29	381	641
Grain and bean combines <sup>1</sup> ----- farms, 1987 ..	52	1	5	7	2	2	14
----- farms, 1982 ..	21	-	4	2	-	1	4
----- number, 1987 ..	60	(D)	5	9	(D)	(D)	15
----- number, 1982 ..	23	-	4	(D)	-	(D)	6
Cottonpickers and strippers ----- farms, 1987 ..	-	-	-	-	-	-	-
----- farms, 1982 ..	-	-	-	-	-	-	-
----- number, 1987 ..	-	-	-	-	-	-	-
----- number, 1982 ..	-	-	-	-	-	-	-
Mower conditioners ----- farms, 1987 ..	1 586	4	184	173	10	111	225
----- farms, 1982 ..	1 398	20	146	107	6	86	220
----- number, 1987 ..	1 783	4	225	184	11	123	251
----- number, 1982 ..	1 533	26	152	111	7	96	227
Pickup balers ----- farms, 1987 ..	1 820	2	219	131	12	144	264
----- farms, 1982 ..	1 604	4	202	122	9	70	294
----- number, 1987 ..	1 993	(D)	253	148	12	157	287
----- number, 1982 ..	1 704	4	209	135	(D)	76	299
<b>1987 INVENTORY</b>							
Manufactured 1983 to 1987:							
Motortrucks, including pickups ----- farms ..	2 062	90	110	176	22	131	132
----- number ..	2 779	114	139	230	23	169	170
Wheel tractors ----- farms ..	1 370	35	49	150	9	123	102
----- number ..	1 901	37	59	199	(D)	166	123
Less than 40 horsepower (PTO) ----- farms ..	754	25	26	111	6	57	29
----- number ..	872	25	26	118	(D)	74	30
40 horsepower (PTO) or more ----- farms ..	798	10	25	75	3	71	78
----- number ..	1 029	12	33	81	(D)	92	93
Grain and bean combines ----- farms ..	6	-	1	2	-	-	1
----- number ..	6	-	(D)	(D)	-	-	(D)
Cottonpickers and strippers ----- farms ..	-	-	-	-	-	-	-
----- number ..	-	-	-	-	-	-	-
Mower conditioners ----- farms ..	515	1	40	54	5	67	69
----- number ..	552	(D)	41	63	(D)	67	69
Pickup balers ----- farms ..	228	1	13	29	3	21	19
----- number ..	244	(D)	15	31	(D)	23	19
Manufactured prior to 1983:							
Motortrucks, including pickups ----- farms ..	4 224	84	267	465	25	289	433
----- number ..	8 178	142	400	805	38	547	760
Wheel tractors ----- farms ..	4 822	70	353	465	41	327	526
----- number ..	11 259	125	1 013	1 324	(D)	784	1 083
Less than 40 horsepower (PTO) ----- farms ..	3 731	61	297	389	33	272	353
----- number ..	6 752	105	533	831	(D)	495	535
40 horsepower (PTO) or more ----- farms ..	2 522	18	241	256	16	174	318
----- number ..	4 507	20	480	493	(D)	289	548
Grain and bean combines ----- farms ..	46	1	4	5	2	2	13
----- number ..	54	(D)	(D)	(D)	(D)	(D)	(D)
Cottonpickers and strippers ----- farms ..	-	-	-	-	-	-	-
----- number ..	-	-	-	-	-	-	-
Mower conditioners ----- farms ..	1 103	3	148	120	6	56	159
----- number ..	1 231	(D)	184	121	(D)	56	182
Pickup balers ----- farms ..	1 639	1	208	114	9	124	252
----- number ..	1 749	(D)	238	117	(D)	134	268

See footnotes at end of table.

**Table 8. Machinery and Equipment on Place: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

All Farms	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment ----- farms, 1987..	491	623	570	12	212	776	5	1 190
..... farms, 1982..	392	559	567	6	205	648	4	1 014
..... \$1,000, 1987..	14 418	18 025	19 546	464	5 814	36 757	87	36 902
..... 1982..	9 853	17 183	19 428	354	4 394	22 721	93	28 594
Average per farm ----- dollars, 1987..	29 365	28 932	34 291	38 683	27 426	47 368	17 492	31 010
..... 1982..	25 136	30 738	34 265	59 000	21 434	35 063	23 250	28 200
<b>Farms by value group:</b>								
\$1 to \$9,999 ----- farms, 1987..	159	222	152	4	82	198	3	381
..... 1982..	144	218	216	-	81	223	-	371
\$10,000 to \$19,999 ----- farms, 1987..	117	125	132	1	42	169	-	275
..... 1982..	72	129	132	-	50	180	1	215
\$20,000 to \$29,999 ----- farms, 1987..	83	101	88	1	30	136	1	145
..... 1982..	74	40	63	1	40	60	2	127
\$30,000 to \$49,999 ----- farms, 1987..	55	44	110	4	12	81	-	145
..... 1982..	54	66	58	2	21	62	1	102
\$50,000 to \$69,999 ----- farms, 1987..	17	75	33	-	25	46	1	124
..... 1982..	14	46	26	1	5	43	-	99
\$70,000 to \$99,999 ----- farms, 1987..	23	25	15	-	11	44	-	42
..... 1982..	17	22	27	1	3	34	-	59
\$100,000 to \$199,999 ----- farms, 1987..	34	25	27	2	6	84	-	66
..... 1982..	17	27	27	1	3	31	-	31
\$200,000 or more ----- farms, 1987..	3	6	13	-	4	18	-	12
..... 1982..	-	11	16	-	2	15	-	10
\$200,000 to \$499,999 ----- farms, 1987..	3	6	10	-	4	12	-	11
..... 1982..	-	-	3	-	-	6	-	1
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Motortrucks, including pickups ----- farms, 1987..	411	555	456	12	161	699	5	1 013
..... farms, 1982..	332	459	456	6	185	537	4	886
..... number, 1987..	906	1 271	1 128	48	286	1 756	7	2 020
..... number, 1982..	679	979	1 067	13	349	1 363	4	1 857
Wheel tractors ----- farms, 1987..	439	567	525	8	188	635	3	1 039
..... farms, 1982..	314	471	426	5	132	458	2	859
..... number, 1987..	1 057	1 440	1 385	26	359	1 267	3	2 623
..... number, 1982..	806	1 081	982	15	270	1 106	(D)	1 965
Less than 40 horsepower (PTO) ----- farms, 1987..	323	391	439	6	140	549	2	812
..... farms, 1982..	545	735	925	(D)	220	839	(D)	1 513
40 horsepower (PTO) or more ----- farms, 1987..	235	361	248	5	99	252	1	569
..... farms, 1982..	512	705	460	(D)	139	428	(D)	1 110
Grain and bean combines <sup>1</sup> ----- farms, 1987..	3	6	2	-	-	1	-	9
..... farms, 1982..	-	7	-	-	-	-	-	3
..... number, 1987..	3	7	(D)	-	-	(D)	-	9
..... number, 1982..	-	7	-	-	-	-	-	3
Cottonpickers and strippers ----- farms, 1987..	-	-	-	-	-	-	-	-
..... farms, 1982..	-	-	-	-	-	-	-	-
..... number, 1987..	-	-	-	-	-	-	-	-
..... number, 1982..	-	-	-	-	-	-	-	-
Mower conditioners ----- farms, 1987..	131	191	83	2	27	103	1	341
..... farms, 1982..	84	162	107	2	21	99	-	348
..... number, 1987..	138	219	95	(D)	27	119	(D)	384
..... number, 1982..	90	179	131	(D)	(D)	99	-	390
Pickup balers ----- farms, 1987..	165	228	100	1	33	85	1	435
..... farms, 1982..	98	172	132	1	30	57	-	413
..... number, 1987..	173	249	102	(D)	34	106	(D)	468
..... number, 1982..	104	185	135	(D)	37	75	-	435
<b>1987 INVENTORY</b>								
<b>Manufactured 1983 to 1987:</b>								
Motortrucks, including pickups ----- farms..	178	115	228	7	71	423	2	377
..... farms..	207	154	368	(D)	86	601	(D)	497
Wheel tractors ----- farms..	90	98	165	3	51	265	-	230
..... farms..	110	138	232	(D)	79	372	-	369
Less than 40 horsepower (PTO) ----- farms..	45	61	113	2	37	159	-	83
..... farms..	46	61	131	(D)	40	196	-	116
40 horsepower (PTO) or more ----- farms..	47	53	84	2	30	137	-	183
..... farms..	64	77	101	(D)	39	176	-	253
Grain and bean combines ----- farms..	1	-	-	-	-	-	-	-
..... farms..	(D)	(D)	-	-	-	-	-	-
Cottonpickers and strippers ----- farms..	-	-	-	-	-	-	-	-
..... farms..	-	-	-	-	-	-	-	-
Mower conditioners ----- farms..	29	56	24	-	12	40	1	117
..... farms..	29	65	24	-	12	46	(D)	129
Pickup balers ----- farms..	6	53	26	-	2	7	1	47
..... farms..	8	53	26	-	(D)	11	(D)	50
<b>Manufactured prior to 1983:</b>								
Motortrucks, including pickups ----- farms..	338	485	342	9	137	491	4	855
..... farms..	699	1 117	760	(D)	200	1 155	(D)	1 523
Wheel tractors ----- farms..	402	527	478	8	154	498	3	970
..... farms..	947	1 302	1 153	(D)	280	895	3	2 254
Less than 40 horsepower (PTO) ----- farms..	234	339	398	6	107	437	2	742
..... farms..	499	674	794	(D)	180	643	(D)	1 397
40 horsepower (PTO) or more ----- farms..	225	336	203	5	82	157	1	490
..... farms..	448	628	358	(D)	100	252	(D)	857
Grain and bean combines ----- farms..	2	5	2	-	-	-	-	9
..... farms..	(D)	(D)	(D)	-	-	(D)	-	9
Cottonpickers and strippers ----- farms..	-	-	-	-	-	-	-	-
..... farms..	-	-	-	-	-	-	-	-
Mower conditioners ----- farms..	104	137	61	2	15	64	-	228
..... farms..	109	154	71	(D)	15	73	-	255
Pickup balers ----- farms..	160	185	75	1	31	80	-	399
..... farms..	165	196	76	(D)	(D)	95	-	418

<sup>1</sup>Data for 1982 include self-propelled only.

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Massachusetts							
	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin	
Commercial fertilizer ----- farms, 1987--	3 858	139	222	396	34	255	377	
	1982--	82	148	358	29	219	392	
	acres on which used, 1987--	(D)	13 759	9 624	650	5 729	18 489	
	1982--	1 057	10 713	10 449	(D)	6 020	21 341	
Cropland fertilized, except pastureland ----- farms, 1987--	3 688	127	204	386	32	249	364	
	1982--	82	133	351	25	196	384	
	acres on which used, 1987--	(D)	12 508	8 810	544	5 532	16 948	
	1982--	(D)	9 282	9 551	714	5 715	18 972	
Pastureland and rangeland fertilized ----- farms, 1987--	538	12	33	38	4	11	76	
	1982--	1	43	54	10	33	116	
	acres on which used, 1987--	(D)	1 251	814	106	197	1 541	
	1982--	(D)	1 431	898	(D)	305	2 369	
Lime ----- farms, 1987--	1 339	40	52	178	14	97	184	
	1982--	17	92	151	15	127	211	
	acres on which used, 1987--	23 208	178	1 854	3 677	218	1 705	
	1982--	65	1 882	2 972	201	1 667	5 538	
Sprays, dusts, granules, fumigants, etc., to control--	33 838	(D)	3 169	5 458	381	2 297	4 216	
	1982--	105	3 258	4 199	431	3 078	7 807	
	Insects on hay and other crops ----- farms, 1987--	2 049	98	69	251	10	151	181
		1982--	72	54	225	12	116	116
acres on which used, 1987--		1 184	1 257	4 293	104	1 891	6 447	
1982--		741	1 421	3 880	(D)	2 039	4 050	
Nematodes in crops ----- farms, 1987--	152	4	1	9	-	18	24	
	1982--	8	4	3	1	6	14	
	acres on which used, 1987--	(D)	(D)	137	-	48	863	
	1982--	28	(D)	(D)	(D)	18	792	
Diseases in crops and orchards ----- farms, 1987--	1 093	55	14	98	4	102	114	
	1982--	43	16	104	9	54	48	
	acres on which used, 1987--	25 050	581	80	954	11	1 165	
	1982--	539	109	1 149	(D)	531	2 735	
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	1 690	58	89	159	4	118	170	
	1982--	41	63	186	11	106	168	
	acres on which used, 1987--	57 337	745	4 232	3 672	(D)	2 356	
	1982--	57 111	552	4 962	4 131	105	4 027	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	255	9	13	13	-	18	30	
	1982--	12	-	-	23	3	13	
	acres on which used, 1987--	5 928	51	23	166	-	115	
	1982--	6 463	244	-	182	(D)	135	

Chemicals used	Massachusetts								
	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester	
Commercial fertilizer ----- farms, 1987--	321	439	341	8	146	567	3	610	
	1982--	375	246	4	99	491	3	608	
	acres on which used, 1987--	12 367	19 116	9 599	(D)	2 904	14 930	3	
	1982--	10 196	20 387	9 511	162	1 821	16 607	(D)	
Cropland fertilized, except pastureland ----- farms, 1987--	304	426	313	8	138	551	3	583	
	1982--	208	366	232	4	98	3	585	
	acres on which used, 1987--	10 871	17 911	9 190	(D)	2 334	14 616	3	
	1982--	9 101	18 805	8 699	162	1 642	16 254	(D)	
Pastureland and rangeland fertilized ----- farms, 1987--	55	68	33	1	31	36	-	140	
	1982--	64	73	36	-	13	31	-	
	acres on which used, 1987--	1 496	1 205	409	(D)	570	314	-	
	1982--	1 095	1 582	812	-	179	353	-	
Lime ----- farms, 1987--	111	191	94	5	58	94	1	220	
	1982--	117	154	97	2	44	106	1	
	acres on which used, 1987--	1 233	4 007	702	(D)	973	1 051	(D)	
	1982--	1 743	3 981	1 448	(D)	616	1 334	(D)	
Sprays, dusts, granules, fumigants, etc., to control--	1 756	5 580	1 309	243	1 283	1 832	(D)	6 100	
	1982--	3 063	5 577	2 621	(D)	505	2 197	(D)	
	Insects on hay and other crops ----- farms, 1987--	162	173	189	5	50	471	3	236
		1982--	107	161	200	4	70	416	3
acres on which used, 1987--		3 724	6 892	3 142	(D)	656	11 650	(D)	
1982--		2 713	6 914	3 461	118	710	13 214	(D)	
Nematodes in crops ----- farms, 1987--	9	25	13	-	-	42	-	7	
	1982--	29	33	28	-	8	1	12	
	acres on which used, 1987--	227	1 663	289	-	-	1 304	-	
	1982--	306	934	261	-	10	525	(D)	
Diseases in crops and orchards ----- farms, 1987--	75	77	138	7	28	247	2	132	
	1982--	49	84	77	2	24	185	-	
	acres on which used, 1987--	1 731	3 701	1 779	(D)	396	6 673	(D)	
	1982--	1 129	3 562	2 355	(D)	205	4 486	-	
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	117	175	118	4	30	368	-	280	
	1982--	106	152	121	2	30	309	1	
	acres on which used, 1987--	4 284	9 878	2 899	(D)	1 018	10 228	-	
	1982--	3 918	8 513	4 005	(D)	313	10 591	(D)	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	10	17	31	-	4	52	2	56	
	1982--	12	13	41	-	3	37	-	
	acres on which used, 1987--	279	714	648	-	(D)	863	(D)	
	1982--	512	1 191	578	-	(D)	666	-	



**Table 10. Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982**

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

Characteristics	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>FARMS</b>							
Land in farms ----- farms, 1987 ..	6 216	158	392	675	58	439	616
1982 ..	5 401	123	352	597	40	372	521
acres, 1987 ..	615 185	(D)	70 792	42 562	7 314	30 940	82 864
1982 ..	612 819	5 010	73 434	41 883	7 355	30 283	79 412
Harvested cropland ----- farms, 1987 ..	5 084	134	326	526	43	345	535
1982 ..	4 608	111	313	499	32	290	466
acres, 1987 ..	194 874	(D)	22 280	14 554	709	12 714	23 715
1982 ..	197 769	(D)	24 370	15 622	830	11 638	23 364
<b>TENURE OF OPERATOR</b>							
Full owners ----- farms, 1987 ..	4 313	121	246	453	43	321	359
1982 ..	3 521	96	193	388	25	269	267
acres, 1987 ..	348 117	3 286	34 253	23 293	6 751	17 436	37 962
1982 ..	303 952	2 673	33 178	20 248	6 325	17 261	32 093
Harvested cropland ----- farms, 1987 ..	3 377	102	195	342	31	240	295
1982 ..	2 887	86	165	307	18	200	224
acres, 1987 ..	73 627	788	7 056	5 737	505	5 445	6 252
1982 ..	66 272	607	6 775	5 357	198	4 743	5 257
Part owners ----- farms, 1987 ..	1 449	22	120	156	8	88	208
1982 ..	1 481	16	137	143	10	78	222
acres, 1987 ..	231 033	1 228	31 951	14 918	515	12 215	38 696
1982 ..	279 378	(D)	37 510	17 223	786	12 213	44 127
Owned land in farms ----- acres, 1987 ..	142 962	799	19 129	8 378	319	7 366	26 759
1982 ..	182 407	(D)	23 309	9 297	551	7 129	31 435
Rented land in farms ----- acres, 1987 ..	88 071	429	12 822	6 540	196	4 849	11 937
1982 ..	96 971	(D)	14 201	7 926	235	5 084	12 692
Harvested cropland ----- farms, 1987 ..	1 339	20	107	135	6	81	197
1982 ..	1 396	16	131	136	10	72	210
acres, 1987 ..	105 444	552	13 419	7 059	173	6 292	15 136
1982 ..	118 409	(D)	16 210	7 967	439	6 483	16 817
Tenants ----- farms, 1987 ..	454	15	26	66	7	30	49
1982 ..	399	11	22	66	5	25	32
acres, 1987 ..	36 035	359	4 588	4 351	48	1 289	6 206
1982 ..	29 489	(D)	2 746	4 412	244	809	3 192
Harvested cropland ----- farms, 1987 ..	368	12	24	49	6	24	43
1982 ..	325	9	17	56	4	18	32
acres, 1987 ..	15 803	(D)	1 805	1 758	31	977	2 327
1982 ..	13 088	(D)	1 385	2 298	193	412	1 290
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated ----- 1987 ..	4 918	103	323	545	44	349	549
1982 ..	4 228	75	295	459	28	308	438
Not on farm operated ----- 1987 ..	960	54	46	102	9	62	46
1982 ..	784	41	34	90	10	40	52
Not reported ----- 1987 ..	338	1	23	28	5	28	21
1982 ..	389	7	23	48	2	24	31
Operators by principal occupation:							
Farming ----- 1987 ..	3 174	85	195	358	30	227	313
1982 ..	2 941	56	191	314	21	189	308
Other ----- 1987 ..	3 042	73	197	317	28	212	303
1982 ..	2 460	67	161	283	19	183	213
Operators by days of work off farm:							
None ----- 1987 ..	2 371	67	165	275	23	179	231
1982 ..	2 121	42	152	230	12	138	208
Any ----- 1987 ..	3 516	84	200	350	34	239	362
1982 ..	2 897	79	178	329	27	213	277
1 to 49 days ----- 1987 ..	374	6	21	25	2	25	45
1982 ..	271	14	17	27	1	23	41
50 to 99 days ----- 1987 ..	178	3	5	15	2	14	18
1982 ..	202	10	7	21	5	12	17
100 to 149 days ----- 1987 ..	245	13	13	20	5	15	16
1982 ..	225	3	11	26	5	20	19
150 to 199 days ----- 1987 ..	436	12	24	45	4	37	51
1982 ..	361	5	26	35	5	35	45
200 days or more ----- 1987 ..	2 283	50	137	245	21	148	232
1982 ..	1 838	47	117	220	11	123	155
Not reported ----- 1987 ..	329	7	27	50	1	21	23
1982 ..	383	2	22	38	1	21	36
Operators by years on present farm:							
2 years or less ----- 1987 ..	249	12	9	27	-	15	21
1982 ..	311	5	18	33	3	15	23
3 or 4 years ----- 1987 ..	449	20	24	45	6	25	51
1982 ..	508	8	22	69	4	46	38
5 to 9 years ----- 1987 ..	1 165	30	72	138	18	69	119
1982 ..	884	24	67	96	10	73	95
10 years or more ----- 1987 ..	3 421	86	211	374	25	255	339
1982 ..	2 792	73	195	285	15	179	274
Average years on present farm ----- 1987 ..	18.8	16.0	20.6	17.3	15.4	21.0	18.6
1982 ..	18.2	17.2	19.6	16.4	11.9	18.4	18.9
Not reported ----- 1987 ..	932	10	76	91	9	75	86
1982 ..	906	13	50	114	8	59	91

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.**

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

Characteristics	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>FARMS</b>								
Land in farms ----- farms, 1987..	490	624	569	12	212	775	5	1 191
1982..	392	559	567	6	205	649	4	1 014
acres, 1987..	46 747	64 567	38 709	819	13 124	77 140	(D)	134 689
1982..	43 835	63 624	40 173	(D)	13 398	80 392	(D)	133 612
Harvested cropland ----- farms, 1987..	404	528	438	10	159	668	4	964
1982..	338	493	460	6	156	561	4	879
acres, 1987..	14 014	24 290	15 064	441	4 003	19 360	(D)	42 309
1982..	13 089	26 465	15 491	(D)	3 486	19 313	13	42 388
<b>TENURE OF OPERATOR</b>								
Full owners ----- farms, 1987..	358	394	406	5	154	628	4	821
1982..	247	323	391	3	146	525	3	645
acres, 1987..	29 482	30 971	18 487	(D)	7 353	67 990	(D)	70 605
1982..	23 886	23 464	18 488	(D)	7 351	55 694	(D)	63 163
Harvested cropland ----- farms, 1987..	283	313	298	3	112	531	3	629
1982..	213	265	306	3	108	456	3	533
acres, 1987..	5 971	6 778	4 164	(D)	1 238	15 315	(D)	14 369
1982..	4 421	6 072	4 383	(D)	1 446	12 602	(D)	14 300
Part owners ----- farms, 1987..	107	187	126	3	36	96	1	291
1982..	118	190	132	1	43	91	1	299
acres, 1987..	15 720	30 861	18 445	(D)	5 019	6 969	(D)	54 196
1982..	19 290	36 148	18 974	(D)	5 635	20 672	(D)	64 573
Owned land in farms ----- acres, 1987..	9 637	18 540	9 275	(D)	2 092	3 885	(D)	36 523
1982..	12 189	22 995	9 588	(D)	3 176	16 626	(D)	44 590
Rented land in farms ----- acres, 1987..	6 083	12 321	9 170	(D)	2 927	3 084	(D)	17 673
1982..	7 101	13 153	9 386	(D)	2 459	4 046	(D)	19 983
Harvested cropland ----- farms, 1987..	102	178	115	3	30	91	1	273
1982..	108	189	120	1	35	80	1	287
acres, 1987..	7 206	16 081	10 165	(D)	2 345	3 198	(D)	23 666
1982..	8 240	18 476	9 655	(D)	1 963	5 631	(D)	25 668
Tenants ----- farms, 1987..	25	43	37	4	22	51	-	79
1982..	27	46	44	2	16	33	-	70
acres, 1987..	1 545	2 735	1 777	316	752	2 181	-	9 888
1982..	859	4 012	2 711	(D)	412	4 026	-	5 876
Harvested cropland ----- farms, 1987..	19	37	25	4	17	46	-	62
1982..	17	39	34	2	13	25	-	59
acres, 1987..	837	1 431	735	(D)	420	847	-	4 274
1982..	428	1 917	1 453	(D)	77	1 080	-	2 420
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated ----- 1987..	401	500	442	10	169	492	1	990
1982..	316	444	433	4	159	419	3	847
Not on farm operated ----- 1987..	61	73	83	2	30	236	3	153
1982..	49	60	90	-	33	180	1	104
Not reported ----- 1987..	28	51	44	-	13	47	1	48
1982..	27	55	44	2	13	50	-	63
Operators by principal occupation:								
Farming ----- 1987..	248	307	290	7	107	440	1	566
1982..	199	337	313	4	90	369	3	547
Other ----- 1987..	242	317	279	5	105	335	4	625
1982..	193	222	254	2	115	280	1	467
Operators by days of work off farm:								
None ----- 1987..	197	240	206	2	80	276	3	427
1982..	147	224	247	1	69	246	2	403
Any ----- 1987..	278	350	324	9	119	459	2	706
1982..	218	287	291	3	118	344	1	532
1 to 49 days ----- 1987..	26	39	47	2	8	66	-	62
1982..	15	27	27	1	9	28	-	41
50 to 99 days ----- 1987..	15	22	17	-	10	34	-	23
1982..	9	31	23	1	11	25	-	30
100 to 149 days ----- 1987..	23	17	23	2	4	35	-	59
1982..	14	18	27	-	13	37	-	32
150 to 199 days ----- 1987..	28	37	53	2	16	49	1	77
1982..	22	39	34	-	10	38	1	66
200 days or more ----- 1987..	186	235	184	3	81	275	1	485
1982..	158	172	180	1	75	216	1	363
Not reported ----- 1987..	15	34	39	1	13	40	-	58
1982..	27	48	29	2	18	59	1	79
Operators by years on present farm:								
2 years or less ----- 1987..	24	27	15	-	7	38	-	54
1982..	23	38	25	-	3	44	-	81
3 or 4 years ----- 1987..	30	41	44	1	8	59	1	94
1982..	31	51	41	-	26	81	1	90
5 to 9 years ----- 1987..	95	111	90	5	45	166	1	206
1982..	55	80	90	1	34	98	2	159
10 years or more ----- 1987..	258	321	318	6	126	421	2	679
1982..	215	291	317	3	107	323	-	515
Average years on present farm ----- 1987..	20.2	19.6	18.8	15.7	20.2	17.4	13.8	18.9
1982..	19.2	19.0	19.1	18.8	20.2	17.0	5.0	17.7
Not reported ----- 1987..	83	124	102	-	26	91	1	158
1982..	68	99	94	2	35	103	1	169

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.**

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

Characteristics	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>OPERATOR CHARACTERISTICS—</b>							
<b>Con.</b>							
Operators by age group:							
Under 25 years ----- 1987..	50	—	4	8	—	—	4
----- 1982..	64	—	1	7	—	—	6
25 to 34 years ----- 1987..	590	31	32	62	6	33	75
----- 1982..	681	16	41	73	11	45	91
35 to 44 years ----- 1987..	1 477	32	87	160	16	99	179
----- 1982..	1 163	28	65	144	7	80	118
45 to 54 years ----- 1987..	1 329	16	86	138	11	97	130
----- 1982..	1 118	23	93	138	8	78	101
55 to 64 years ----- 1987..	1 305	29	82	161	9	101	117
----- 1982..	1 260	21	81	140	7	99	109
55 to 59 years ----- 1987..	642	19	43	85	5	40	49
60 to 64 years ----- 1987..	663	10	39	76	4	61	68
65 years and over ----- 1987..	1 465	50	101	146	16	109	111
----- 1982..	1 115	35	71	95	7	70	96
65 to 69 years ----- 1987..	595	21	42	76	6	30	48
70 years and over ----- 1987..	870	29	59	70	10	79	63
Average age ----- 1987..	52.6	52.3	53.5	52.0	52.9	54.1	50.2
----- 1982..	51.5	53.2	52.2	50.2	48.1	51.7	49.7
Operators by sex:							
Male ----- farms, 1987..	5 415	132	341	612	48	365	546
----- 1982..	4 831	114	313	546	35	323	466
----- acres, 1987..	571 616	4 402	65 604	39 580	(D)	26 962	76 225
----- 1982..	570 447	3 884	69 137	40 072	(D)	26 228	73 632
Female ----- farms, 1987..	801	26	51	63	10	74	70
----- 1982..	570	9	39	51	5	49	55
----- acres, 1987..	43 569	471	5 188	2 982	(D)	3 978	6 639
----- 1982..	42 372	1 126	4 297	1 811	(D)	4 055	5 780
<b>TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship) ----- farms, 1987..	5 124	122	335	576	46	357	508
----- 1982..	4 541	104	308	522	30	314	436
----- acres, 1987..	431 487	2 849	52 410	34 517	3 850	22 514	59 394
----- 1982..	429 422	3 495	58 164	33 155	(D)	22 110	57 508
Partnership ----- farms, 1987..	481	6	34	40	3	35	76
----- 1982..	377	3	27	42	1	25	55
----- acres, 1987..	73 006	85	11 718	3 189	(D)	3 573	15 687
----- 1982..	63 463	(D)	9 200	4 072	(D)	3 352	13 490
Corporation:							
Family held ----- farms, 1987..	493	21	16	50	4	40	29
----- 1982..	365	10	13	23	4	24	23
----- acres, 1987..	81 497	1 103	(D)	(D)	1 191	3 957	7 468
----- 1982..	82 599	(D)	(D)	3 479	(D)	(D)	6 691
Other than family held ----- farms, 1987..	51	5	2	2	1	3	—
----- 1982..	48	2	1	5	1	1	4
----- acres, 1987..	5 038	196	(D)	(D)	(D)	280	—
----- 1982..	8 779	(D)	(D)	567	(D)	(D)	526
Other—cooperative, estate or trust, institutional, etc. ----- farms, 1987..	67	4	5	7	4	4	3
----- 1982..	70	4	3	5	4	8	3
----- acres, 1987..	24 157	640	3 190	670	(D)	616	315
----- 1982..	28 556	(D)	2 165	610	4 701	1 736	1 197

Table 10. **Tenure and Characteristics of Operator and Type of Organization: 1987 and 1982—Con.**

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

Characteristics	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>OPERATOR CHARACTERISTICS—</b>								
<b>Con.</b>								
Operators by age group:								
Under 25 years ----- 1987..	2	11	4	-	-	8	-	9
1982..	3	11	9	-	1	10	-	16
25 to 34 years ----- 1987..	37	52	56	3	22	62	-	119
1982..	39	80	62	-	28	75	-	120
35 to 44 years ----- 1987..	121	135	116	3	46	200	1	282
1982..	83	105	104	2	43	149	1	234
45 to 54 years ----- 1987..	78	130	139	5	46	187	3	263
1982..	73	87	151	2	43	126	1	194
55 to 64 years ----- 1987..	108	109	143	-	50	151	1	244
1982..	109	138	119	-	51	142	1	243
55 to 59 years ----- 1987..	52	52	71	-	21	73	1	131
60 to 64 years ----- 1987..	56	57	72	-	29	78	-	113
65 years and over ----- 1987..	144	187	111	1	48	167	-	274
1982..	85	138	122	2	39	147	1	207
65 to 69 years ----- 1987..	65	70	40	-	22	49	-	126
70 years and over ----- 1987..	79	117	71	1	26	118	-	148
Average age ----- 1987..	54.7	54.0	52.6	44.8	53.0	52.1	47.4	52.2
1982..	53.2	52.3	51.9	51.5	51.6	52.0	56.0	51.4
Operators by sex:								
Male ----- farms, 1987..	429	572	466	11	167	676	5	1 045
1982..	366	504	483	6	181	583	3	908
acres, 1987..	42 739	61 712	35 322	817	12 018	73 857	(D)	125 383
1982..	40 989	60 094	37 057	(D)	12 179	76 228	(D)	123 429
Female ----- farms, 1987..	61	52	103	1	45	99	-	146
1982..	26	55	84	-	24	66	1	106
acres, 1987..	4 008	2 855	3 387	(D)	1 106	3 283	-	9 306
1982..	2 846	3 530	3 116	-	1 219	4 164	(D)	10 183
<b>TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship) ----- farms, 1987..	428	529	437	10	151	592	1	1 032
1982..	344	484	454	6	155	502	1	881
acres, 1987..	36 564	46 576	26 894	(D)	10 105	31 419	(D)	104 078
1982..	34 414	48 030	29 808	(D)	10 046	27 962	(D)	102 416
Partnership ----- farms, 1987..	28	60	50	2	17	47	2	81
1982..	25	40	34	-	11	45	-	69
acres, 1987..	4 729	7 996	4 035	(D)	1 155	8 371	(D)	12 007
1982..	4 755	6 070	2 033	-	1 021	4 606	-	14 731
Corporation:								
Family held ----- farms, 1987..	27	24	63	-	34	114	2	69
1982..	20	25	62	-	35	71	3	52
acres, 1987..	4 312	7 560	6 005	-	1 015	30 731	(D)	(D)
1982..	4 014	(D)	5 728	-	1 127	39 824	(D)	(D)
Other than family held ----- farms, 1987..	4	5	12	-	7	8	-	2
1982..	2	2	11	-	-	17	-	2
acres, 1987..	(D)	1 046	377	-	243	1 882	-	(D)
1982..	(D)	(D)	1 068	-	-	3 508	-	(D)
Other—cooperative, estate or trust, institutional, etc. ----- farms, 1987..	3	6	7	-	3	14	-	7
1982..	1	8	6	-	4	14	-	10
acres, 1987..	(D)	1 389	1 598	-	606	4 737	-	7 545
1982..	(D)	1 760	1 536	-	1 204	4 492	-	8 137

**Table 11. Cattle and Calves—Inventory and Sales: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>INVENTORY</b>							
Cattle and calves							
----- farms, 1987..	2 112	11	214	254	15	95	296
----- farms, 1982..	2 311	16	247	273	15	117	302
----- number, 1987..	83 065	(D)	11 715	8 154	177	3 372	13 444
----- number, 1982..	102 366	(D)	13 476	10 623	427	4 268	15 453
Farms by inventory:							
1 to 9							
----- farms, 1987..	951	10	65	132	9	39	116
----- farms, 1982..	884	11	77	123	6	54	91
----- number, 1987..	4 260	(D)	376	588	(D)	163	510
----- number, 1982..	4 036	(D)	358	549	(D)	252	413
10 to 19							
----- farms, 1987..	347	-	46	41	3	21	39
----- farms, 1982..	359	3	44	36	3	19	48
----- number, 1987..	4 623	-	634	540	(D)	258	546
----- number, 1982..	4 962	(D)	620	504	(D)	238	677
20 to 49							
----- farms, 1987..	310	1	37	33	2	12	53
----- farms, 1982..	412	2	39	39	4	16	59
----- number, 1987..	9 510	(D)	1 153	1 068	(D)	348	1 656
----- number, 1982..	12 951	(D)	1 186	1 172	(D)	539	1 886
50 to 99							
----- farms, 1987..	264	-	29	29	1	10	46
----- farms, 1982..	357	-	38	46	1	16	60
----- number, 1987..	18 329	-	2 084	(D)	(D)	710	3 321
----- number, 1982..	24 746	-	2 686	3 165	(D)	1 048	4 260
100 to 199							
----- farms, 1987..	169	-	23	12	-	12	32
----- farms, 1982..	214	-	36	20	1	8	32
----- number, 1987..	23 353	-	3 236	(D)	-	(D)	4 344
----- number, 1982..	28 868	-	4 983	2 657	(D)	1 113	(D)
200 to 499							
----- farms, 1987..	66	-	13	7	-	1	9
----- farms, 1982..	80	-	13	9	-	4	11
----- number, 1987..	18 683	-	(D)	2 439	-	(D)	(D)
----- number, 1982..	22 018	-	3 643	2 576	-	1 078	(D)
500 or more							
----- farms, 1987..	5	-	1	-	-	-	1
----- farms, 1982..	5	-	-	-	-	-	1
----- number, 1987..	4 307	-	(D)	-	-	-	(D)
----- number, 1982..	4 785	-	-	-	-	-	(D)
Cows and heifers that had calved							
----- farms, 1987..	1 757	10	186	194	13	78	246
----- farms, 1982..	1 922	10	217	209	14	95	264
----- number, 1987..	46 605	(D)	6 479	5 137	70	1 788	7 175
----- number, 1982..	58 067	(D)	7 545	6 584	210	2 556	8 113
Beef cows							
----- farms, 1987..	1 124	8	114	133	7	60	125
----- farms, 1982..	1 071	8	124	121	9	62	121
----- number, 1987..	9 692	(D)	1 197	1 155	53	510	700
----- number, 1982..	8 176	54	1 134	1 095	(D)	441	659
1987 farms by inventory:							
1 to 9							
----- farms..	869	8	79	110	6	47	108
----- number..	3 236	(D)	368	458	(D)	146	370
10 to 19							
----- farms..	150	-	17	14	1	4	13
----- number..	1 884	-	217	165	(D)	(D)	165
20 to 49							
----- farms..	79	-	15	6	-	8	2
----- number..	2 150	-	417	172	-	(D)	(D)
50 to 99							
----- farms..	16	-	3	-	-	1	2
----- number..	1 005	-	195	-	-	(D)	(D)
100 to 199							
----- farms..	9	-	-	3	-	-	-
----- number..	(D)	-	-	360	-	-	-
200 to 499							
----- farms..	1	-	-	-	-	-	-
----- number..	(D)	-	-	-	-	-	-
500 or more							
----- farms..	-	-	-	-	-	-	-
----- number..	-	-	-	-	-	-	-
Milk cows							
----- farms, 1987..	838	2	92	88	7	30	151
----- farms, 1982..	1 111	5	133	111	6	46	169
----- number, 1987..	36 913	(D)	5 282	3 982	17	1 278	6 475
----- number, 1982..	49 891	(D)	6 411	5 489	(D)	2 115	7 454
1987 farms by inventory:							
1 to 9							
----- farms..	294	1	30	32	7	12	50
----- number..	726	(D)	81	70	17	(D)	117
10 to 19							
----- farms..	35	-	4	3	-	2	4
----- number..	478	-	51	46	-	(D)	55
20 to 49							
----- farms..	214	1	12	26	-	5	46
----- number..	7 448	(D)	441	983	-	193	1 565
50 to 99							
----- farms..	193	-	25	18	-	8	37
----- number..	13 073	-	1 635	1 192	-	596	2 529
100 to 199							
----- farms..	86	-	17	5	-	3	11
----- number..	11 040	-	2 149	581	-	(D)	1 396
200 to 499							
----- farms..	16	-	4	4	-	-	3
----- number..	4 148	-	925	1 110	-	-	813
500 or more							
----- farms..	-	-	-	-	-	-	-
----- number..	-	-	-	-	-	-	-
Heifers and heifer calves							
----- farms, 1987..	1 356	6	161	136	11	61	219
----- farms, 1982..	1 707	9	191	179	12	80	244
----- number, 1987..	26 965	19	3 594	1 773	80	1 080	5 325
----- number, 1982..	35 859	(D)	5 096	2 545	132	1 406	6 484
Steers, steer calves, bulls, and bull calves							
----- farms, 1987..	1 170	6	139	139	8	70	152
----- farms, 1982..	1 473	9	152	199	10	82	199
----- number, 1987..	9 495	(D)	1 642	1 244	27	504	944
----- number, 1982..	8 440	(D)	835	1 494	85	306	856

**Table 11. Cattle and Calves—Inventory and Sales: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>INVENTORY</b>								
Cattle and calves .....	farms, 1987..	186	255	134	1	47	93	511
	1982..	186	253	159	1	62	142	538
	number, 1987..	5 582	10 762	4 351	(D)	1 496	4 539	19 342
	1982..	7 063	12 112	5 070	(D)	1 500	7 263	24 951
Farms by inventory:								
1 to 9 .....	farms, 1987..	95	108	70	-	14	62	231
	1982..	75	83	75	-	26	90	173
10 to 19 .....	number, 1987..	388	487	291	-	84	246	1 031
	1982..	360	381	332	-	127	340	859
20 to 49 .....	farms, 1987..	32	41	22	-	5	11	86
	1982..	30	37	21	1	14	13	90
50 to 99 .....	number, 1987..	411	581	294	(D)	153	153	1 113
	1982..	409	541	273	(D)	209	176	1 204
100 to 199 .....	farms, 1987..	28	41	19	1	15	3	65
	1982..	35	52	36	-	12	11	107
200 to 499 .....	number, 1987..	838	1 240	509	(D)	502	87	1 977
	1982..	1 133	1 693	1 094	-	385	347	3 359
500 or more .....	farms, 1987..	13	32	10	-	12	6	76
	1982..	25	44	15	-	7	11	94
100 to 199 .....	number, 1987..	823	2 246	717	(D)	373	373	5 306
	1982..	1 644	3 090	1 121	-	461	(D)	6 526
200 to 499 .....	farms, 1987..	12	23	7	-	1	8	39
	1982..	15	27	8	-	3	12	52
500 or more .....	number, 1987..	1 701	3 159	1 012	-	(D)	1 058	5 584
	1982..	2 083	3 465	1 203	-	318	-	(D)
200 to 499 .....	farms, 1987..	6	9	6	-	-	2	13
	1982..	6	10	4	-	-	2	21
500 or more .....	number, 1987..	1 421	(D)	1 528	-	-	(D)	4 37
	1982..	1 434	2 942	1 047	-	-	(D)	5 437
Cows and heifers that had calved .....	farms, 1987..	-	1	-	-	-	1	1
	1982..	-	-	-	-	-	3	1
	number, 1987..	-	(D)	-	-	-	(D)	(D)
	1982..	-	-	-	-	-	(D)	(D)
Beef cows .....	farms, 1987..	163	209	113	1	44	74	426
	1982..	153	209	122	1	56	105	467
	number, 1987..	3 392	6 143	2 460	(D)	853	1 614	11 430
	1982..	3 941	6 476	2 687	(D)	869	5 014	13 982
Milk cows .....	farms, 1987..	113	121	85	1	35	52	270
	1982..	84	96	91	1	40	67	247
	number, 1987..	1 039	872	966	(D)	256	(D)	2 497
	1982..	582	471	916	(D)	296	358	2 081
1987 farms by inventory:								
1 to 9 .....	farms..	84	96	60	1	25	43	202
	number..	274	363	196	(D)	84	124	785
10 to 19 .....	farms..	14	20	13	-	5	7	42
	number..	186	259	154	-	64	89	514
20 to 49 .....	farms..	11	3	8	-	5	1	20
	number..	265	(D)	(D)	-	108	(D)	568
50 to 99 .....	farms..	3	2	1	-	-	-	4
	number..	(D)	(D)	(D)	-	-	-	(D)
100 to 199 .....	farms..	1	-	3	-	-	1	1
	number..	(D)	-	374	-	-	(D)	(D)
200 to 499 .....	farms..	-	-	-	-	-	-	1
	number..	-	-	-	-	-	-	(D)
500 or more .....	farms..	-	-	-	-	-	-	-
	number..	-	-	-	-	-	-	-
Milk cows .....	farms, 1987..	67	112	38	-	18	29	204
	1982..	90	146	52	-	23	55	275
	number, 1987..	2 353	5 271	1 494	(D)	587	(D)	8 933
	1982..	3 359	6 005	1 771	-	573	4 656	11 901
1987 farms by inventory:								
1 to 9 .....	farms..	26	35	20	-	4	13	64
	number..	58	79	(D)	-	12	(D)	150
10 to 19 .....	farms..	3	3	1	-	2	-	13
	number..	34	38	(D)	-	(D)	-	177
20 to 49 .....	farms..	22	31	4	-	6	7	54
	number..	694	1 000	124	-	(D)	273	1 924
50 to 99 .....	farms..	9	29	7	-	6	5	49
	number..	659	2 040	474	-	335	347	3 266
100 to 199 .....	farms..	7	11	5	-	-	4	23
	number..	908	(D)	615	-	-	540	(D)
200 to 499 .....	farms..	-	3	1	-	-	-	1
	number..	-	(D)	(D)	-	-	-	(D)
500 or more .....	farms..	-	-	-	-	-	-	-
	number..	-	-	-	-	-	-	-
Heifers and heifer calves .....	farms, 1987..	109	171	76	-	34	48	324
	1982..	137	203	106	1	41	79	425
	number, 1987..	1 721	4 042	1 279	(D)	477	1 666	5 909
	1982..	2 433	4 826	1 802	(D)	365	1 883	8 849
Steers, steer calves, bulls, and bull calves .....	farms, 1987..	92	142	72	1	30	46	273
	1982..	121	146	99	1	40	95	320
	number, 1987..	469	577	612	(D)	166	(D)	2 003
	1982..	689	810	581	(D)	266	366	2 120

Table 11. Cattle and Calves—Inventory and Sales: 1987 and 1982—Con.

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>SALES</b>							
Dairy products sold ----- farms, 1987--	609	1	66	65	3	23	115
1982--	879	3	95	94	6	38	138
\$1,000, 1987--	63 309	(D)	9 100	6 072	(D)	2 167	11 015
1982--	80 840	(D)	11 098	8 663	(D)	3 349	12 445
Cattle and calves sold ----- farms, 1987--	1 725	8	197	198	11	83	251
1982--	1 908	10	211	212	12	95	264
number, 1987--	39 668	(D)	5 589	4 319	80	1 957	5 524
1982--	47 034	62	5 496	5 654	(D)	2 145	6 478
\$1,000, 1987--	11 297	(D)	1 357	1 467	(D)	654	1 577
1982--	12 212	29	1 307	1 738	(D)	684	1 626
1987 farms by number sold:							
1 to 9 ----- farms--	911	7	97	115	10	35	124
number--	3 583	26	424	458	(D)	158	464
10 to 19 ----- farms--	276	1	30	36	-	19	45
number--	3 819	(D)	421	491	-	263	619
20 to 49 ----- farms--	317	-	38	26	1	19	57
number--	10 114	-	1 197	845	(D)	651	1 967
50 to 99 ----- farms--	148	-	18	14	-	7	16
number--	9 968	-	1 224	886	-	(D)	1 088
100 to 199 ----- farms--	53	-	9	3	-	2	7
number--	6 681	-	1 126	479	-	(D)	(D)
200 to 499 ----- farms--	19	-	3	4	-	1	2
number--	(D)	-	(D)	1 160	-	(D)	(D)
500 or more ----- farms--	1	-	1	-	-	-	-
number--	(D)	-	(D)	-	-	-	-
Calves sold ----- farms, 1987--	1 074	6	128	99	4	55	167
1982--	1 272	5	147	140	6	58	191
number, 1987--	20 745	(D)	2 883	1 795	(D)	843	3 068
1982--	26 400	26	3 223	2 913	109	929	3 713
\$1,000, 1987--	1 837	1	225	124	(D)	73	199
1982--	1 995	1	200	197	11	85	195
1987 farms by number sold:							
1 to 9 ----- farms--	526	5	62	54	3	30	75
number--	1 858	14	193	203	(D)	143	283
10 to 19 ----- farms--	199	1	17	14	-	11	40
number--	2 650	(D)	212	184	-	134	550
20 to 49 ----- farms--	244	-	30	23	1	11	40
number--	7 438	-	885	618	(D)	341	1 191
50 to 99 ----- farms--	81	-	14	5	-	2	10
number--	5 095	-	897	340	-	(D)	(D)
100 to 199 ----- farms--	19	-	5	2	-	1	1
number--	2 457	-	696	(D)	-	(D)	(D)
200 to 499 ----- farms--	5	-	-	1	-	-	1
number--	1 247	-	-	(D)	-	-	(D)
500 or more ----- farms--	-	-	-	-	-	-	-
number--	-	-	-	-	-	-	-
Cattle sold ----- farms, 1987--	1 514	5	178	175	11	78	232
1982--	1 703	8	183	189	10	78	250
number, 1987--	18 923	(D)	2 706	2 524	(D)	1 114	2 456
1982--	20 634	34	2 273	2 741	(D)	1 216	2 765
\$1,000, 1987--	9 461	5	1 133	1 343	23	580	1 378
1982--	10 216	28	1 108	1 541	(D)	598	1 430
1987 farms by number sold:							
1 to 9 ----- farms--	990	5	106	111	10	48	155
number--	3 730	(D)	417	391	(D)	180	562
10 to 19 ----- farms--	283	-	38	38	1	16	43
number--	3 734	-	512	500	(D)	206	558
20 to 49 ----- farms--	175	-	26	16	-	8	25
number--	4 971	-	764	410	-	262	702
50 to 99 ----- farms--	49	-	6	6	-	4	8
number--	3 288	-	(D)	385	-	(D)	(D)
100 to 199 ----- farms--	12	-	1	2	-	2	1
number--	1 361	-	(D)	(D)	-	(D)	(D)
200 to 499 ----- farms--	4	-	-	2	-	-	-
number--	(D)	-	-	(D)	-	-	-
500 or more ----- farms--	1	-	1	-	-	-	-
number--	(D)	-	(D)	-	-	-	-
Cattle fattened on grain and concentrates sold ----- farms, 1987--	352	2	23	51	6	30	41
1982--	342	2	32	50	3	14	31
number, 1987--	2 712	(D)	133	756	9	143	125
1982--	2 772	(D)	146	885	(D)	40	387
\$1,000, 1987--	1 588	(D)	72	474	5	97	66
1982--	1 535	(D)	69	570	(D)	28	216
1987 farms by number sold:							
1 to 9 ----- farms--	313	2	19	44	6	26	41
number--	910	(D)	(D)	131	9	67	125
10 to 19 ----- farms--	19	-	1	3	-	3	-
number--	268	-	(D)	44	-	(D)	-
20 to 49 ----- farms--	13	-	3	1	-	1	-
number--	362	-	68	(D)	-	(D)	-
50 to 99 ----- farms--	4	-	-	2	-	-	-
number--	252	-	-	(D)	-	-	-
100 to 199 ----- farms--	1	-	-	-	-	-	-
number--	(D)	-	-	-	-	-	-
200 to 499 ----- farms--	2	-	-	1	-	-	-
number--	(D)	-	-	(D)	-	-	-
500 or more ----- farms--	-	-	-	-	-	-	-
number--	-	-	-	-	-	-	-

**Table 11. Cattle and Calves—Inventory and Sales: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>SALES</b>								
Dairy products sold ----- farms, 1987..	41	80	24	-	16	20	-	155
1982..	72	123	38	-	16	37	-	219
\$1,000, 1987..	4 023	9 246	2 833	-	648	2 049	-	16 095
1982..	5 143	10 045	2 761	-	705	6 395	-	19 896
Cattle and calves sold ----- farms, 1987..	134	208	106	1	43	66	-	419
1982..	147	218	124	1	50	96	-	468
number, 1987..	2 256	5 028	2 232	(D)	660	2 117	-	9 855
1982..	2 820	5 606	(D)	(D)	(D)	3 559	-	11 679
\$1,000, 1987..	616	1 135	836	(D)	168	788	-	2 669
1982..	642	1 373	(D)	(D)	(D)	1 037	-	2 738
1987 farms by number sold:								
1 to 9 ----- farms..	80	105	62	1	20	45	-	210
number..	333	410	213	(D)	101	140	-	810
10 to 19 ----- farms..	23	34	10	-	9	4	-	65
number..	317	485	129	-	130	(D)	-	887
20 to 49 ----- farms..	17	35	19	-	14	7	-	83
number..	509	1 080	560	-	429	(D)	-	2 605
50 to 99 ----- farms..	10	26	10	-	-	2	-	45
number..	619	1 769	720	-	-	(D)	-	3 041
100 to 199 ----- farms..	4	5	5	-	-	5	-	13
number..	478	619	610	-	-	583	-	1 682
200 to 499 ----- farms..	-	3	-	-	-	3	-	3
number..	-	665	-	-	-	949	-	830
500 or more ----- farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Calves sold ----- farms, 1987..	91	151	60	1	27	37	-	248
1982..	104	160	71	-	32	55	-	303
number, 1987..	1 252	3 174	911	(D)	347	809	-	5 594
1982..	1 666	3 010	1 164	-	335	1 789	-	7 521
\$1,000, 1987..	153	275	74	(D)	23	64	-	624
1982..	127	172	89	-	23	122	-	772
1987 farms by number sold:								
1 to 9 ----- farms..	52	69	36	1	14	21	-	104
number..	164	229	134	(D)	70	62	-	353
10 to 19 ----- farms..	19	30	9	-	5	3	-	50
number..	245	410	119	-	72	(D)	-	661
20 to 49 ----- farms..	14	35	11	-	8	8	-	63
number..	440	1 098	357	-	205	(D)	-	2 043
50 to 99 ----- farms..	5	13	3	-	-	3	-	26
number..	(D)	829	(D)	-	-	(D)	-	1 529
100 to 199 ----- farms..	1	3	1	-	-	2	-	3
number..	(D)	(D)	(D)	-	-	(D)	-	(D)
200 to 499 ----- farms..	-	1	-	-	-	-	-	2
number..	-	(D)	-	-	-	-	-	(D)
500 or more ----- farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Cattle sold ----- farms, 1987..	117	167	91	-	39	53	-	368
1982..	132	197	100	1	46	90	-	419
number, 1987..	1 004	1 854	1 321	-	313	1 308	-	4 261
1982..	1 154	2 596	(D)	(D)	(D)	1 770	-	4 158
\$1,000, 1987..	463	860	762	-	146	724	-	2 045
1982..	515	1 201	(D)	(D)	(D)	915	-	1 965
1987 farms by number sold:								
1 to 9 ----- farms..	88	110	58	-	24	39	-	236
number..	309	403	222	-	101	118	-	979
10 to 19 ----- farms..	18	31	13	-	12	4	-	69
number..	232	402	182	-	142	(D)	-	939
20 to 49 ----- farms..	9	19	12	-	3	5	-	52
number..	(D)	513	354	-	70	(D)	-	1 464
50 to 99 ----- farms..	1	6	7	-	-	2	-	9
number..	(D)	(D)	(D)	-	-	(D)	-	(D)
100 to 199 ----- farms..	1	1	1	-	-	1	-	2
number..	(D)	(D)	(D)	-	-	(D)	-	(D)
200 to 499 ----- farms..	-	-	-	-	-	2	-	-
number..	-	-	-	-	-	(D)	-	-
500 or more ----- farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Cattle fattened on grain and concentrates sold ----- farms, 1987..	32	28	29	-	8	20	-	82
1982..	29	29	34	-	10	29	-	79
number, 1987..	106	88	342	-	(D)	451	-	500
1982..	285	221	140	-	82	98	-	439
\$1,000, 1987..	46	56	181	-	(D)	270	-	282
1982..	107	116	75	-	39	67	-	205
1987 farms by number sold:								
1 to 9 ----- farms..	31	26	22	-	7	19	-	70
number..	(D)	(D)	58	-	(D)	(D)	-	226
10 to 19 ----- farms..	1	2	3	-	-	-	-	6
number..	(D)	(D)	53	-	-	-	-	80
20 to 49 ----- farms..	-	-	2	-	1	-	-	5
number..	-	-	(D)	-	(D)	-	-	(D)
50 to 99 ----- farms..	-	-	1	-	-	-	-	1
number..	-	-	(D)	-	-	-	-	(D)
100 to 199 ----- farms..	-	-	1	-	-	-	-	-
number..	-	-	(D)	-	-	-	-	-
200 to 499 ----- farms..	-	-	-	-	-	1	-	-
number..	-	-	-	-	-	(D)	-	-
500 or more ----- farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-



**Table 12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>INVENTORY</b>							
Hogs and pigs ----- farms, 1987..	498	3	34	90	8	20	56
1982..	619	9	55	83	8	32	52
number, 1987..	25 816	17	199	5 017	41	561	556
1982..	39 570	96	641	5 345	24	641	327
Farms by inventory:							
1 to 24 ----- farms, 1987..	388	3	33	61	8	14	50
1982..	467	8	51	57	8	27	49
number, 1987..	2 173	17	(D)	350	41	99	250
1982..	2 403	(D)	234	385	24	(D)	238
25 to 49 ----- farms, 1987..	37	-	1	7	-	2	5
1982..	38	-	2	6	-	-	3
number, 1987..	1 287	-	(D)	233	-	(D)	(D)
1982..	1 301	-	(D)	216	-	-	89
50 to 99 ----- farms, 1987..	18	-	-	5	-	3	-
1982..	35	1	-	5	-	4	-
number, 1987..	1 189	-	-	418	-	(D)	-
1982..	2 424	(D)	-	328	-	260	-
100 to 199 ----- farms, 1987..	23	-	-	10	-	-	1
1982..	35	-	1	9	-	-	-
number, 1987..	3 025	-	-	1 353	-	-	(D)
1982..	5 028	-	(D)	(D)	-	-	-
200 to 499 ----- farms, 1987..	21	-	-	6	-	1	-
1982..	29	-	1	5	-	1	-
number, 1987..	5 756	-	-	(D)	-	(D)	-
1982..	7 544	-	(D)	1 230	-	(D)	-
500 to 999 ----- farms, 1987..	5	-	-	-	-	-	-
1982..	9	-	-	-	-	-	-
number, 1987..	2 926	-	-	-	-	-	-
1982..	5 820	-	-	-	-	-	-
1,000 or more ----- farms, 1987..	6	-	-	1	-	-	-
1982..	6	-	-	1	-	-	-
number, 1987..	9 460	-	-	(D)	-	-	-
1982..	15 050	-	-	(D)	-	-	-
Hogs and pigs used or to be used for breeding ----- farms, 1987..	211	3	15	38	3	14	20
1982..	281	2	15	41	4	15	27
number, 1987..	3 189	(D)	59	654	9	84	90
1982..	4 639	(D)	122	391	10	125	73
1987 farms by inventory:							
1 to 24 ----- farms..	179	3	15	32	3	13	19
25 to 49 ----- farms..	16	-	-	2	-	1	1
50 to 99 ----- farms..	13	-	-	4	-	-	-
100 or more ----- farms..	3	-	-	-	-	-	-
number..	770	-	-	-	-	-	-
Other hogs and pigs ----- farms, 1987..	444	1	29	83	7	18	52
1982..	575	8	52	77	6	30	43
number, 1987..	22 627	(D)	140	4 363	32	477	466
1982..	34 931	(D)	519	4 954	14	516	254
<b>LITTERS</b>							
Litters of pigs farrowed between—							
Dec. 1 of preceding year and Nov. 30 ----- farms, 1987..	218	3	16	39	3	14	20
1982..	293	2	16	44	4	16	28
number, 1987..	3 837	4	50	872	12	121	118
1982..	6 009	(D)	75	595	(D)	164	87
Dec. 1 of preceding year and May 31 ----- farms, 1987..	202	3	16	38	3	14	17
1982..	242	2	10	34	3	12	22
number, 1987..	1 882	(D)	35	469	(D)	68	60
1982..	3 061	(D)	22	366	(D)	85	52
June 1 and Nov. 30 ----- farms, 1987..	165	1	7	33	3	11	14
1982..	227	1	14	35	4	11	18
number, 1987..	1 955	(D)	15	403	(D)	53	58
1982..	2 948	(D)	53	229	(D)	79	35
<b>SALES</b>							
Hogs and pigs sold ----- farms, 1987..	387	1	23	65	7	18	44
1982..	451	8	26	68	13	21	33
number, 1987..	40 048	(D)	388	9 279	126	1 719	1 145
1982..	44 391	90	454	6 301	66	819	493
\$1,000, 1987..	4 220	(D)	24	709	19	183	78
1982..	4 497	9	43	669	8	58	33
1987 farms by number sold:							
1 to 24 ----- farms..	228	1	20	30	4	7	34
number..	1 803	(D)	208	267	14	60	244
25 to 49 ----- farms..	55	-	2	3	3	6	8
number..	1 909	-	(D)	126	112	205	(D)
50 to 99 ----- farms..	38	-	-	13	-	2	1
number..	2 499	-	-	846	-	(D)	(D)
100 to 199 ----- farms..	33	-	1	15	-	-	-
number..	4 630	-	(D)	2 300	-	-	-
200 to 499 ----- farms..	15	-	-	1	-	2	-
number..	(D)	-	-	(D)	-	(D)	-
500 to 999 ----- farms..	11	-	-	1	-	1	1
number..	(D)	-	-	(D)	-	(D)	(D)
1,000 or more ----- farms..	7	-	-	2	-	-	-
number..	17 500	-	-	(D)	-	-	-
Feeder pigs sold ----- farms, 1987..	96	-	11	12	-	7	15
1982..	127	1	5	18	2	6	12
number, 1987..	9 091	-	283	(D)	-	414	853
1982..	7 363	(D)	94	913	(D)	411	319
\$1,000, 1987..	374	-	10	85	-	18	39
1982..	270	(D)	4	40	(D)	15	9
Hogs and pigs other than feeder pigs sold ----- farms, 1987..	355	1	17	60	7	15	37
1982..	404	7	24	59	12	20	30
number, 1987..	30 957	(D)	105	(D)	126	1 305	292
1982..	37 028	(D)	360	5 388	(D)	408	174
\$1,000, 1987..	3 846	(D)	14	624	19	165	39
1982..	4 226	(D)	40	629	(D)	42	24

**Table 12. Hogs and Pigs—Inventory, Litters, and Sales: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>INVENTORY</b>								
Hogs and pigs ----- farms, 1987--	40	32	54	-	14	27	-	120
1982--	32	53	68	1	22	67	-	137
number, 1987--	248	2 808	5 080	-	787	3 152	-	7 350
1982--	(D)	2 497	8 626	(D)	1 461	5 197	-	14 253
Farms by inventory:								
1 to 24 ----- farms, 1987--	38	21	40	-	10	20	-	90
1982--	27	41	44	1	17	48	-	89
number, 1987--	(D)	113	277	-	42	106	-	531
1982--	152	207	258	(D)	48	182	-	496
25 to 49 ----- farms, 1987--	2	6	3	-	2	-	-	9
1982--	3	5	3	-	-	5	-	11
number, 1987--	(D)	235	120	-	(D)	-	-	276
1982--	126	(D)	103	-	-	166	-	410
50 to 99 ----- farms, 1987--	-	-	3	-	-	2	-	5
1982--	1	2	9	-	-	4	-	9
number, 1987--	(D)	(D)	190	-	-	(D)	-	285
1982--	(D)	(D)	607	-	-	290	-	662
100 to 199 ----- farms, 1987--	-	-	4	-	-	1	-	7
1982--	1	3	6	-	2	6	-	7
number, 1987--	(D)	(D)	(D)	-	(D)	(D)	-	1 020
1982--	(D)	(D)	(D)	-	(D)	(D)	-	882
200 to 499 ----- farms, 1987--	-	4	1	-	2	2	-	5
1982--	-	-	4	-	2	1	-	15
number, 1987--	-	(D)	(D)	-	(D)	(D)	-	1 462
1982--	-	-	826	-	(D)	(D)	-	4 313
500 to 999 ----- farms, 1987--	-	-	1	-	-	1	-	3
1982--	-	2	-	-	1	2	-	4
number, 1987--	-	-	(D)	-	(D)	(D)	-	(D)
1982--	-	(D)	-	-	(D)	(D)	-	(D)
1,000 or more ----- farms, 1987--	-	1	2	-	-	1	-	1
1982--	-	-	2	-	-	1	-	2
number, 1987--	-	(D)	(D)	-	-	(D)	-	(D)
1982--	-	-	(D)	-	-	(D)	-	(D)
Hogs and pigs used or to be used for breeding ----- farms, 1987--	10	12	22	-	5	11	-	58
1982--	12	22	39	-	8	23	-	73
number, 1987--	55	480	277	-	(D)	206	-	1 174
1982--	(D)	344	657	-	186	626	-	1 997
1987 farms by inventory:								
1 to 24 ----- farms	10	6	21	-	3	8	-	46
25 to 49 ----- farms	-	4	-	-	1	2	-	5
50 to 99 ----- farms	-	1	-	-	1	1	-	6
100 or more ----- farms	-	1	-	-	1	1	-	1
number, 1987--	-	(D)	(D)	-	-	-	-	(D)
Other hogs and pigs ----- farms, 1987--	32	31	48	-	14	24	-	105
1982--	31	50	63	1	21	65	-	128
number, 1987--	193	2 328	4 803	-	(D)	2 946	-	6 176
1982--	370	2 153	7 969	(D)	1 275	4 571	-	12 256
<b>LITTERS</b>								
Litters of pigs farrowed between--								
Dec. 1 of preceding year and Nov. 30 ----- farms, 1987--	10	12	24	-	5	11	-	61
1982--	12	23	39	-	8	25	-	76
number, 1987--	72	612	388	-	116	267	-	1 205
1982--	92	625	963	-	287	848	-	2 240
Dec. 1 of preceding year and May 31 ----- farms, 1987--	10	11	18	-	5	11	-	56
1982--	10	22	35	-	7	23	-	62
number, 1987--	37	295	141	-	53	133	-	582
1982--	48	356	473	-	105	459	-	1 080
June 1 and Nov. 30 ----- farms, 1987--	9	11	19	-	5	8	-	45
1982--	7	18	33	-	5	19	-	62
number, 1987--	35	317	247	-	63	134	-	623
1982--	44	269	490	-	182	389	-	1 160
<b>SALES</b>								
Hogs and pigs sold ----- farms, 1987--	25	20	50	-	11	29	-	94
1982--	18	38	55	-	16	46	-	109
number, 1987--	(D)	4 645	8 739	-	567	5 570	-	7 552
1982--	484	4 092	10 312	-	1 659	6 256	-	13 365
\$1,000, 1987--	31	450	1 347	-	(D)	613	-	726
1982--	46	454	1 333	-	151	679	-	1 215
1987 farms by number sold:								
1 to 24 ----- farms	21	6	30	-	7	21	-	47
number	133	59	298	-	(D)	127	-	337
25 to 49 ----- farms	3	6	3	-	2	1	-	18
number	111	198	109	-	(D)	(D)	-	607
50 to 99 ----- farms	1	3	7	-	-	-	-	11
number	(D)	181	438	-	-	-	-	750
100 to 199 ----- farms	-	2	5	-	-	3	-	7
number	-	(D)	(D)	-	-	412	-	967
200 to 499 ----- farms	-	1	1	-	2	1	-	7
number	-	(D)	(D)	-	(D)	(D)	-	2 163
500 to 999 ----- farms	-	1	1	-	-	2	-	4
number	-	(D)	(D)	-	-	(D)	-	2 728
1,000 or more ----- farms	-	1	3	-	-	1	-	-
number	-	(D)	6 500	-	-	(D)	-	-
Feeder pigs sold ----- farms, 1987--	3	9	7	-	3	5	-	24
1982--	4	15	9	-	6	12	-	37
number, 1987--	125	1 790	324	-	(D)	272	-	1 490
1982--	221	653	382	-	784	716	-	2 791
\$1,000, 1987--	3	(D)	12	-	(D)	(D)	-	45
1982--	8	25	14	-	35	28	-	92
Hogs and pigs other than feeder pigs sold ----- farms, 1987--	24	18	47	-	10	28	-	91
1982--	16	34	52	-	13	43	-	94
number, 1987--	(D)	2 855	8 415	-	(D)	5 298	-	6 062
1982--	263	3 439	9 930	-	875	5 540	-	10 574
\$1,000, 1987--	28	(D)	1 335	-	26	(D)	-	682
1982--	38	429	1 119	-	116	651	-	1 123

**Table 13. Sheep and Horses—Inventory and Sales: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
Sheep and lambs inventory ----- farms, 1987..	604	13	45	56	21	43	60
1982..	452	8	34	47	8	37	55
number, 1987..	14 761	128	783	926	1 281	573	1 353
1982..	9 846	120	858	1 085	583	519	1 098
1987 farms by inventory:							
1 to 24 -----	446	11	37	48	9	36	43
25 to 99 -----	132	2	7	6	8	7	16
100 to 299 -----	21	-	1	2	2	-	1
300 to 999 -----	5	-	-	-	2	-	-
1,000 or more -----	-	-	-	-	-	-	-
Ewes 1 year old or older ----- farms, 1987..	521	10	37	50	20	39	53
1982..	391	6	34	40	8	29	54
number, 1987..	9 597	89	485	565	927	339	883
1982..	6 260	63	599	516	391	340	692
Sheep and lambs shorn ----- farms, 1987..	511	12	36	44	19	35	51
1982..	381	7	31	36	8	28	56
number, 1987..	13 036	132	657	840	936	563	1 309
1982..	7 984	80	637	661	478	446	1 002
pounds of wool, 1987..	95 098	1 356	4 423	6 128	5 973	3 630	9 219
1982..	52 440	635	4 180	3 974	2 991	3 494	6 123
Sheep and lambs sold ----- farms, 1987..	493	8	36	46	19	40	54
1982..	338	4	27	32	8	26	50
number, 1987..	11 548	15	708	757	838	604	1 008
1982..	5 705	54	418	474	321	278	724
Sheep, lambs, and wool sold ----- farms, 1987..	563	12	40	51	20	42	57
1982..	398	7	31	39	8	28	58
\$1,000, 1987..	884	(D)	41	52	53	43	80
1982..	445	5	35	29	16	30	50
Horses and ponies inventory ----- farms, 1987..	1 608	32	116	150	16	139	134
1982..	1 161	21	85	98	12	113	102
number, 1987..	11 944	226	680	1 005	(D)	1 579	737
1982..	8 765	170	504	551	54	1 116	627
Horses and ponies sold ----- farms, 1987..	421	9	26	38	3	48	27
1982..	311	7	19	31	1	37	31
number, 1987..	1 230	30	61	86	(D)	167	78
1982..	1 050	(D)	44	58	(D)	186	110
\$1,000, 1987..	5 626	157	84	187	4	395	137
1982..	3 299	97	80	89	(D)	386	176

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Sheep and lambs inventory ----- farms, 1987..	36	58	65	-	28	47	-	132
1982..	27	38	50	-	16	51	-	81
number, 1987..	662	2 297	2 302	-	797	639	-	3 020
1982..	589	1 733	1 043	-	361	478	-	1 379
1987 farms by inventory:								
1 to 24 -----	32	41	39	-	19	38	-	93
25 to 99 -----	2	13	22	-	7	9	-	33
100 to 299 -----	2	3	2	-	2	-	-	6
300 to 999 -----	-	1	2	-	-	-	-	-
1,000 or more -----	-	-	-	-	-	-	-	-
Ewes 1 year old or older ----- farms, 1987..	28	51	54	-	25	39	-	115
1982..	22	36	42	-	13	40	-	67
number, 1987..	369	1 436	1 510	-	498	389	-	2 107
1982..	371	1 201	621	-	230	260	-	976
Sheep and lambs shorn ----- farms, 1987..	29	49	56	-	25	38	-	117
1982..	19	34	37	-	14	42	-	69
number, 1987..	524	2 515	1 886	-	757	483	-	2 434
1982..	467	1 501	803	-	329	344	-	1 236
pounds of wool, 1987..	3 076	20 322	11 661	-	6 259	4 835	-	18 216
1982..	2 615	9 305	5 036	-	2 689	2 672	-	8 726
Sheep and lambs sold ----- farms, 1987..	25	46	50	-	23	40	-	106
1982..	20	35	36	-	12	34	-	54
number, 1987..	351	2 458	2 283	-	513	424	-	1 589
1982..	385	1 059	617	-	225	295	-	855
Sheep, lambs, and wool sold ----- farms, 1987..	31	54	59	-	27	43	-	127
1982..	21	38	41	-	14	44	-	69
\$1,000, 1987..	19	235	(D)	-	44	27	-	95
1982..	25	76	55	-	28	25	-	72
Horses and ponies inventory ----- farms, 1987..	144	147	173	1	72	135	-	349
1982..	75	116	135	-	59	99	-	246
number, 1987..	757	1 111	1 567	(D)	948	1 121	-	2 093
1982..	379	910	1 016	-	1 581	635	-	1 222
Horses and ponies sold ----- farms, 1987..	33	34	48	-	33	31	1	90
1982..	19	24	45	-	19	30	-	48
number, 1987..	63	101	166	-	112	88	(D)	268
1982..	44	79	97	-	(D)	76	-	135
\$1,000, 1987..	93	151	361	-	(D)	193	(D)	724
1982..	94	75	208	-	(D)	122	-	288

**Table 14. Poultry—Inventory and Sales: 1987 and 1982**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>INVENTORY</b>							
Any poultry ----- farms, 1987--	918	25	50	99	20	74	83
----- farms, 1982--	870	21	64	90	16	70	84
Chickens 3 months old or older ----- farms, 1987--	738	25	43	77	17	58	67
----- farms, 1982--	727	21	59	72	14	53	66
number, 1987--	1 502 202	(D)	153 423	130 005	(D)	51 258	17 585
----- number, 1982--	1 276 406	4 381	94 566	122 017	440	39 364	15 164
Hens and pullets of laying age ----- farms, 1987--	733	25	43	76	17	58	67
----- farms, 1982--	721	21	58	72	14	53	66
number, 1987--	1 251 356	(D)	(D)	110 158	1 003	(D)	(D)
----- number, 1982--	1 183 226	(D)	(D)	(D)	440	(D)	15 044
1987 farms by inventory:							
1 to 99 -----	610	11	39	64	16	47	60
100 to 399 -----	67	11	1	1	-	7	5
400 to 3,199 -----	32	3	-	6	1	3	1
3,200 to 9,999 -----	5	-	-	3	-	-	-
10,000 to 19,999 -----	6	-	-	-	-	-	1
20,000 to 49,999 -----	5	-	2	1	-	1	-
50,000 to 99,999 -----	5	-	1	1	-	-	-
100,000 or more ----- farms--	3	-	-	-	-	-	-
----- number--	576 364	-	-	-	-	-	-
Pullets 3 months old or older not of laying age ----- farms, 1987--	95	2	7	10	6	7	6
----- farms, 1982--	80	3	4	7	-	6	8
number, 1987--	250 846	(D)	(D)	19 847	(D)	(D)	(D)
----- number, 1982--	93 180	(D)	(D)	(D)	-	(D)	120
Pullet chicks and pullets under 3 months old ----- farms, 1987--	35	-	3	5	2	4	3
----- farms, 1982--	36	-	-	4	1	3	4
number, 1987--	156 034	-	(D)	590	(D)	1 300	(D)
----- number, 1982--	209 065	-	-	(D)	(D)	(D)	(D)
Broilers and other meat-type chickens ----- farms, 1987--	101	2	4	20	5	8	13
----- farms, 1982--	116	3	14	19	1	7	9
number, 1987--	13 561	(D)	119	860	101	(D)	371
----- number, 1982--	23 054	(D)	264	6 748	(D)	(D)	204
Turkeys ----- farms, 1987--	148	2	5	20	2	15	9
----- farms, 1982--	143	3	12	20	-	13	7
number, 1987--	13 902	(D)	70	630	(D)	(D)	81
----- number, 1982--	23 015	60	(D)	1 126	-	(D)	(D)
Turkey hens kept for breeding ----- farms, 1987--	25	-	-	3	2	2	1
----- farms, 1982--	25	2	1	6	-	1	2
number, 1987--	2 140	-	-	(D)	(D)	(D)	(D)
----- number, 1982--	3 207	(D)	(D)	492	-	(D)	(D)
Ducks, geese, and other poultry ----- farms, 1987--	299	3	19	38	7	24	28
----- farms, 1982--	288	5	22	29	6	23	30
<b>SALES</b>							
Any poultry sold ----- farms, 1987--	498	22	24	46	11	46	46
----- farms, 1982--	508	17	29	50	10	51	44
\$1,000, 1987--	23 149	183	2 338	1 922	(D)	1 330	295
----- \$1,000, 1982--	25 456	48	1 171	4 990	(D)	1 716	268
Hens and pullets sold ----- farms, 1987--	141	8	8	20	4	8	6
----- farms, 1982--	190	5	10	17	1	18	17
number, 1987--	1 149 575	956	103 234	87 794	156	17 572	(D)
----- number, 1982--	1 167 461	2 530	86 747	211 313	(D)	41 439	(D)
Hens and pullets of laying age sold ----- farms, 1987--	128	7	8	14	4	8	5
----- farms, 1982--	182	5	9	16	1	17	16
number, 1987--	944 720	(D)	103 234	(D)	156	17 572	(D)
----- number, 1982--	990 441	2 530	(D)	(D)	(D)	(D)	(D)
Pullets not of laying age sold ----- farms, 1987--	18	1	-	7	-	-	2
----- farms, 1982--	15	-	-	2	-	2	2
number, 1987--	204 855	(D)	-	(D)	-	-	(D)
----- number, 1982--	177 020	-	(D)	(D)	-	(D)	(D)
Broilers and other meat-type chickens sold ----- farms, 1987--	37	2	1	7	1	4	9
----- farms, 1982--	48	1	4	7	1	7	4
number, 1987--	(D)	(D)	(D)	(D)	(D)	(D)	204
----- number, 1982--	162 904	(D)	67	(D)	(D)	(D)	143
1987 farms by number sold:							
1 to 1,999 -----	34	2	1	6	1	3	9
2,000 to 59,999 -----	3	-	-	1	-	1	-
60,000 to 99,999 -----	-	-	-	-	-	-	-
100,000 to 199,999 -----	-	-	-	-	-	-	-
200,000 to 499,999 -----	-	-	-	-	-	-	-
500,000 or more ----- farms--	-	-	-	-	-	-	-
----- number--	-	-	-	-	-	-	-
Turkeys sold ----- farms, 1987--	86	-	2	8	-	5	5
----- farms, 1982--	82	1	4	14	-	7	3
number, 1987--	153 714	-	(D)	446	-	(D)	(D)
----- number, 1982--	156 435	(D)	(D)	1 355	-	(D)	(D)
Turkeys for slaughter sold ----- farms, 1987--	86	-	2	8	-	5	5
----- farms, 1982--	79	1	4	11	-	7	3
number, 1987--	(D)	-	(D)	(D)	-	(D)	(D)
----- number, 1982--	153 651	(D)	(D)	(D)	-	(D)	(D)
Ducks, geese, and other poultry sold ----- farms, 1987--	81	2	3	11	2	10	10
----- farms, 1982--	87	-	2	12	3	9	11

**Table 14. Poultry—Inventory and Sales: 1987 and 1982—Con.**

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>INVENTORY</b>								
Any poultry ----- farms, 1987..	89	83	90	2	36	79	-	188
1982..	60	74	99	1	38	77	-	176
Chickens 3 months old or older ----- farms, 1987..	65	65	71	1	31	67	-	151
1982..	53	64	80	1	33	68	-	143
number, 1987..	24 563	4 826	85 074	(D)	5 149	3 682	-	1 014 621
1982..	(D)	(D)	144 441	(D)	17 633	13 237	-	527 065
Hens and pullets of laying age ----- farms, 1987..	64	65	71	1	31	67	-	148
1982..	53	63	80	1	33	68	-	139
number, 1987..	(D)	3 855	83 212	(D)	5 098	3 236	-	838 087
1982..	28 251	(D)	128 726	(D)	(D)	12 914	-	(D)
1987 farms by inventory:								
1 to 99 -----	56	57	59	-	24	62	-	115
100 to 399 -----	5	6	7	1	4	3	-	16
400 to 3,199 -----	2	2	3	-	3	2	-	6
3,200 to 9,999 -----	-	-	1	-	-	-	-	1
10,000 to 19,999 -----	1	-	-	-	-	-	-	4
20,000 to 49,999 -----	-	-	-	-	-	-	-	1
50,000 to 99,999 -----	-	-	1	-	-	-	-	2
100,000 or more ----- farms..	-	-	-	-	-	-	-	3
number..	-	-	-	-	-	-	-	576 364
Pullets 3 months old or older not of laying age ----- farms, 1987..	8	7	13	-	3	7	-	19
1982..	7	8	9	-	2	8	-	18
number, 1987..	(D)	971	1 862	-	51	446	-	176 534
1982..	(D)	(D)	15 715	-	(D)	323	-	(D)
Pullet chicks and pullets under 3 months old ----- farms, 1987..	5	2	4	-	1	-	-	6
1982..	-	2	5	-	1	4	-	12
number, 1987..	136	(D)	3 012	-	(D)	-	-	(D)
1982..	-	(D)	(D)	-	(D)	(D)	-	(D)
Broilers and other meat-type chickens ----- farms, 1987..	9	12	3	-	5	3	-	17
1982..	9	15	10	-	-	15	-	14
number, 1987..	377	174	57	-	150	(D)	-	876
1982..	481	600	491	-	-	583	-	(D)
Turkeys ----- farms, 1987..	12	12	18	-	5	11	-	37
1982..	6	7	15	-	4	16	-	40
number, 1987..	2 782	(D)	(D)	-	102	455	-	1 595
1982..	(D)	(D)	(D)	-	26	229	-	1 042
Turkey hens kept for breeding ----- farms, 1987..	2	1	4	-	-	4	-	6
1982..	1	2	1	-	1	-	-	8
number, 1987..	(D)	(D)	(D)	-	-	8	-	(D)
1982..	(D)	(D)	(D)	-	(D)	-	-	(D)
Ducks, geese, and other poultry ----- farms, 1987..	31	22	29	1	9	30	-	58
1982..	15	20	36	-	10	30	-	62
<b>SALES</b>								
Any poultry sold ----- farms, 1987..	38	30	54	1	27	44	-	109
1982..	30	44	66	1	26	45	-	95
\$1,000, 1987..	904	186	1 489	(D)	155	196	-	14 046
1982..	858	3 462	2 500	(D)	358	208	-	9 873
Hens and pullets sold ----- farms, 1987..	6	9	19	-	9	5	-	39
1982..	7	18	31	1	12	13	-	40
number, 1987..	(D)	2 693	(D)	-	(D)	(D)	-	840 618
1982..	(D)	234 058	142 194	(D)	14 945	(D)	-	396 484
Hens and pullets of laying age sold ----- farms, 1987..	6	9	17	-	9	5	-	36
1982..	7	18	29	1	12	13	-	38
number, 1987..	(D)	2 693	(D)	-	(D)	(D)	-	(D)
1982..	(D)	234 058	(D)	(D)	14 945	(D)	-	(D)
Pullets not of laying age sold ----- farms, 1987..	1	-	3	-	-	-	-	4
1982..	-	-	3	-	-	1	-	4
number, 1987..	(D)	-	(D)	-	-	(D)	-	(D)
1982..	-	-	(D)	-	-	-	-	(D)
Broilers and other meat-type chickens sold ----- farms, 1987..	3	1	-	-	2	1	-	6
1982..	1	8	4	-	-	5	-	6
number, 1987..	200	(D)	-	-	(D)	(D)	-	(D)
1982..	(D)	(D)	345	-	-	260	-	(D)
1987 farms by number sold:								
1 to 1,999 -----	3	1	-	-	2	1	-	5
2,000 to 59,999 -----	-	-	-	-	-	-	-	1
60,000 to 99,999 -----	-	-	-	-	-	-	-	-
100,000 to 199,999 -----	-	-	-	-	-	-	-	-
200,000 to 499,999 -----	-	-	-	-	-	-	-	-
500,000 or more ----- farms..	-	-	-	-	-	-	-	-
number..	-	-	-	-	-	-	-	-
Turkeys sold ----- farms, 1987..	8	10	12	-	8	9	-	19
1982..	2	5	10	-	4	11	-	21
number, 1987..	(D)	(D)	17 186	-	(D)	14 746	-	(D)
1982..	(D)	(D)	11 662	-	(D)	(D)	-	(D)
Turkeys for slaughter sold ----- farms, 1987..	8	10	12	-	8	9	-	19
1982..	2	5	10	-	4	11	-	21
number, 1987..	(D)	(D)	17 186	-	(D)	14 746	-	(D)
1982..	(D)	(D)	11 662	-	(D)	(D)	-	(D)
Ducks, geese, and other poultry sold ----- farms, 1987..	1	3	10	-	2	6	-	21
1982..	4	4	12	-	3	8	-	19

**Table 15. Selected Crops: 1987 and 1982**

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

Crop		Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
Harvested cropland	farms, 1987	5 084	134	326	526	43	345	535
	1982	4 608	111	313	499	32	290	466
	acres, 1987	194 874	(D)	22 280	14 554	709	12 714	23 715
	1982	197 769	(D)	24 370	15 622	830	11 638	23 364
Irrigated	farms, 1987	1 290	106	25	133	14	102	47
	1982	969	80	15	105	9	67	30
	acres, 1987	19 566	1 206	82	(D)	(D)	(D)	941
	1982	17 012	(D)	(D)	(D)	68	(D)	(D)
Corn for grain or seed	farms, 1987	152	-	18	13	1	5	24
	1982	165	3	18	11	1	6	26
	acres, 1987	5 681	-	836	338	(D)	205	1 012
	1982	6 077	(D)	1 042	167	(D)	291	1 122
bushels,	1987	626 829	-	85 677	26 146	(D)	12 050	124 736
	1982	591 680	(D)	97 120	10 955	(D)	(D)	112 725
Irrigated	farms, 1987	1	-	-	-	-	-	-
	1982	10	3	-	-	-	1	4
	acres, 1987	(D)	-	-	-	-	(D)	-
	1982	18	9	-	-	-	(D)	4
1987 farms by acres harvested:								
	1 to 24 acres	99	-	7	6	1	3	20
	25 to 99 acres	36	-	7	7	-	2	1
	100 to 249 acres	12	-	4	-	-	-	2
	250 acres or more	5	-	-	-	-	-	1
Corn for silage or green chop	farms, 1987	604	1	64	90	1	19	100
	1982	886	3	84	116	5	35	141
	acres, 1987	28 643	(D)	4 131	2 731	(D)	757	3 923
	1982	37 553	(D)	4 922	4 620	(D)	1 222	4 883
tons, green,	1987	524 819	(D)	74 464	43 827	(D)	14 886	80 669
	1982	628 842	(D)	84 582	70 894	(D)	17 565	98 292
Irrigated	farms, 1987	6	-	1	4	-	-	-
	1982	9	-	-	6	-	-	-
	acres, 1987	89	-	(D)	(D)	-	-	-
	1982	47	-	-	(D)	-	-	-
1987 farms by acres harvested:								
	1 to 24 acres	274	-	22	48	1	8	53
	25 to 99 acres	250	1	26	38	-	9	39
	100 to 249 acres	69	-	13	4	-	2	7
	250 acres or more	11	-	3	-	-	-	1
Irish potatoes	farms, 1987	93	2	4	7	4	7	23
	1982	136	2	7	17	2	11	20
	acres, 1987	2 628	(D)	(D)	(D)	4	9	744
	1982	3 759	(D)	(D)	157	(D)	19	772
cwt,	1987	615 427	(D)	(D)	(D)	299	(D)	158 131
	1982	732 649	(D)	(D)	36 153	(D)	4 116	172 594
Irrigated	farms, 1987	15	-	-	2	-	2	4
	1982	29	-	-	3	-	4	2
	acres, 1987	150	(D)	-	(D)	-	(D)	(D)
	1982	336	-	-	(D)	-	(D)	(D)
1987 farms by acres harvested:								
	0.1 to 4.9 acres	50	2	3	4	4	6	5
	5.0 to 24.9 acres	23	-	-	1	-	1	9
	25.0 to 99.9 acres	15	-	1	2	-	-	8
	100.0 acres or more	5	-	-	-	-	-	1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms, 1987	2 874	7	270	273	21	187	393
	1982	2 663	10	257	251	19	162	359
	acres, 1987	121 498	(D)	17 720	8 089	499	9 286	15 587
	1982	116 729	418	18 221	7 390	660	7 990	14 719
tons, dry,	1987	250 559	(D)	37 707	14 968	685	17 273	34 501
	1982	241 584	(D)	39 948	15 160	1 027	13 075	31 464
Irrigated	farms, 1987	24	2	1	2	-	-	-
	1982	13	-	-	3	-	-	-
	acres, 1987	339	(D)	(D)	(D)	-	(D)	-
	1982	178	-	-	14	-	-	-
1987 farms by acres harvested:								
	1 to 24 acres	1 542	6	107	171	14	98	193
	25 to 99 acres	1 013	1	107	89	7	59	166
	100 to 249 acres	295	-	45	11	-	25	32
	250 acres or more	54	-	11	2	-	5	2
Vegetables harvested for sale (see text)	farms, 1987	1 008	20	46	138	11	95	99
	1982	1 011	22	43	156	13	89	90
	acres, 1987	16 325	249	510	2 560	78	1 852	1 403
	1982	15 307	155	402	2 674	(D)	1 548	1 044
Irrigated	farms, 1987	312	14	8	45	5	45	23
	1982	287	12	3	41	9	39	13
	acres, 1987	4 750	228	38	821	55	668	446
	1982	4 508	90	(D)	725	(D)	455	267
1987 farms by acres harvested:								
	0.1 to 4.9 acres	438	10	25	53	6	37	45
	5.0 to 24.9 acres	386	8	15	63	4	31	39
	25.0 to 99.9 acres	156	2	6	16	1	25	13
	100.0 acres or more	28	-	-	6	-	2	2
Land in orchards	farms, 1987	572	9	27	53	7	29	61
	1982	489	6	28	42	4	34	46
	acres, 1987	9 379	38	250	422	80	484	1 157
	1982	9 332	29	305	350	62	389	1 054
Irrigated	farms, 1987	57	1	-	5	3	5	2
	1982	42	4	1	4	1	3	1
	acres, 1987	267	(D)	-	30	(D)	14	(D)
	1982	577	7	(D)	28	(D)	4	(D)
1987 farms by bearing and nonbearing acres:								
	0.1 to 4.9 acres	269	5	18	24	4	12	30
	5.0 to 24.9 acres	201	4	5	26	2	11	21
	25.0 to 99.9 acres	82	-	4	3	-	4	6
	100.0 acres or more	20	-	-	-	-	2	4

**Table 15. Selected Crops: 1987 and 1982—Con.**

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

Crop		Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
Harvested cropland	farms, 1987	404	528	438	10	159	668	4	964
	1982	338	493	460	6	156	561	4	879
	acres, 1987	14 014	24 290	15 064	441	4 003	19 360	(D)	42 309
	1982	13 089	26 465	15 491	(D)	3 486	19 313	13	42 388
Irrigated	farms, 1987	63	46	126	10	54	463	3	96
	1982	53	22	106	5	50	359	3	85
	acres, 1987	763	(D)	1 177	439	302	10 931	(D)	742
	1982	(D)	380	(D)	110	434	9 517	8	1 116
Corn for grain or seed	farms, 1987	13	39	11	-	2	2	-	24
	1982	21	46	4	-	2	9	-	18
	acres, 1987	329	2 025	162	-	(D)	(D)	-	593
	1982	178	2 627	19	-	(D)	195	-	387
	bushels, 1987	29 750	261 078	17 111	-	(D)	(D)	-	55 306
	1982	14 393	302 552	1 270	-	(D)	7 940	-	28 225
Irrigated	farms, 1987	-	-	1	-	-	-	-	-
	1982	-	-	-	-	-	2	-	-
	acres, 1987	-	-	(D)	-	-	-	-	-
	1982	-	-	-	-	-	(D)	-	-
1987 farms by acres harvested:									
1 to 24 acres		10	23	9	-	1	1	-	18
25 to 99 acres		2	9	2	-	-	1	-	5
100 to 249 acres		1	4	-	-	-	-	-	-
250 acres or more		-	3	-	-	-	-	-	1
Corn for silage or green chop	farms, 1987	56	78	28	-	5	18	-	144
	1982	79	109	56	-	11	32	-	215
	acres, 1987	2 646	4 200	1 211	-	(D)	2 206	-	6 623
	1982	3 196	4 512	1 705	-	(D)	3 730	-	8 431
	tons, green, 1987	44 465	75 040	22 318	-	(D)	37 155	-	128 685
	1982	42 703	75 623	28 468	-	(D)	62 939	-	143 019
Irrigated	farms, 1987	-	-	-	-	1	-	-	-
	1982	1	-	-	-	-	-	-	1
	acres, 1987	-	-	-	-	(D)	-	-	-
	1982	(D)	-	-	-	-	(D)	-	(D)
1987 farms by acres harvested:									
1 to 24 acres		32	29	13	-	1	9	-	58
25 to 99 acres		15	38	10	-	4	6	-	64
100 to 249 acres		8	8	5	-	-	2	-	20
250 acres or more		1	3	-	-	-	1	-	2
Irish potatoes	farms, 1987	5	20	3	2	3	4	-	9
	1982	8	33	5	2	4	8	-	17
	acres, 1987	(D)	1 436	3	(D)	2	4	-	13
	1982	(D)	2 412	7	(D)	6	25	-	46
	cwt, 1987	(D)	370 521	280	(D)	800	280	-	1 095
	1982	(D)	420 476	1 002	(D)	1 405	6 205	-	7 117
Irrigated	farms, 1987	-	1	1	2	1	-	-	1
	1982	2	3	2	2	3	2	-	6
	acres, 1987	-	(D)	(D)	(D)	(D)	-	-	(D)
	1982	(D)	(D)	(D)	(D)	5	(D)	-	13
1987 farms by acres harvested:									
0.1 to 4.9 acres		2	5	3	1	3	4	-	8
5.0 to 24.9 acres		2	8	-	1	-	-	-	1
25.0 to 99.9 acres		-	4	-	-	-	-	-	-
100.0 acres or more		1	3	-	-	-	-	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms, 1987	255	336	211	1	81	142	-	697
	1982	208	327	213	3	76	138	-	640
	acres, 1987	7 688	13 534	9 810	(D)	3 295	5 462	-	30 440
	1982	6 395	14 420	9 133	(D)	(D)	4 957	-	29 888
	tons, dry, 1987	15 119	29 850	17 981	(D)	5 698	10 987	-	65 586
	1982	13 837	31 882	19 120	(D)	3 672	9 008	-	62 785
Irrigated	farms, 1987	2	4	-	-	1	3	-	8
	1982	-	1	2	-	2	1	-	4
	acres, 1987	(D)	138	-	-	(D)	78	-	46
	1982	-	(D)	(D)	-	(D)	(D)	-	123
1987 farms by acres harvested:									
1 to 24 acres		150	190	113	1	47	98	-	354
25 to 99 acres		93	115	68	-	24	33	-	251
100 to 249 acres		11	24	24	-	8	7	-	78
250 acres or more		1	7	6	-	2	4	-	14
Vegetables harvested for sale (see text)	farms, 1987	76	136	128	4	36	68	-	151
	1982	73	134	139	3	31	69	1	148
	acres, 1987	1 674	2 237	2 273	137	287	1 040	-	2 026
	1982	1 726	1 836	2 704	117	254	999	(D)	1 754
Irrigated	farms, 1987	21	12	51	4	19	23	-	42
	1982	24	12	50	3	14	31	-	37
	acres, 1987	514	132	861	137	135	187	-	528
	1982	796	110	855	98	85	325	-	564
1987 farms by acres harvested:									
0.1 to 4.9 acres		25	56	58	1	21	32	-	69
5.0 to 24.9 acres		34	51	42	2	14	26	-	57
25.0 to 99.9 acres		11	26	24	-	1	8	-	23
100.0 acres or more		6	3	4	1	2	2	-	2
Land in orchards	farms, 1987	68	44	74	2	20	30	1	147
	1982	55	34	66	-	17	31	-	126
	acres, 1987	923	943	1 327	(D)	158	138	(D)	3 443
	1982	974	779	1 413	-	179	121	-	3 677
Irrigated	farms, 1987	7	-	10	2	5	8	-	9
	1982	4	1	4	-	3	6	-	10
	acres, 1987	22	-	80	(D)	30	20	-	15
	1982	11	(D)	(D)	-	(D)	11	-	398
1987 farms by bearing and nonbearing acres:									
0.1 to 4.9 acres		29	20	31	-	12	22	1	61
5.0 to 24.9 acres		30	13	28	2	6	7	-	47
25.0 to 99.9 acres		9	8	13	-	2	1	-	30
100.0 acres or more		-	3	2	-	-	-	-	9

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>FARMS AND LAND IN FARMS</b>							
Land in farms ----- farms, 1987..	2 499	87	138	284	16	172	227
----- farms, 1982..	2 401	56	147	269	12	158	224
----- acres, 1987..	381 898	(D)	42 799	26 848	3 371	19 411	47 376
----- acres, 1982..	393 235	3 578	44 803	28 687	804	19 015	49 554
Average size of farm ----- acres, 1987..	153	(D)	310	95	211	113	209
----- acres, 1982..	164	64	305	107	67	120	221
Value of land and buildings <sup>1</sup> : ----- dollars, 1987..	512 045	392 349	664 486	338 084	408 688	795 842	399 009
----- dollars, 1982..	299 123	252 518	345 536	229 561	493 917	343 620	246 036
Average per acre ----- dollars, 1987..	3 391	11 392	1 822	3 612	1 940	7 724	2 292
----- dollars, 1982..	1 967	3 962	1 204	2 327	7 372	3 406	1 046
Total cropland ----- farms, 1987..	2 386	87	130	267	16	157	223
----- farms, 1982..	2 281	55	140	260	12	146	219
----- acres, 1987..	194 870	1 606	22 440	14 356	1 190	11 931	23 269
----- acres, 1982..	198 001	1 444	24 729	16 158	513	11 700	24 076
Harvested cropland ----- farms, 1987..	2 297	84	129	244	15	155	218
----- farms, 1982..	2 218	55	135	249	10	138	215
----- acres, 1987..	148 595	(D)	16 790	10 728	265	9 530	18 022
----- acres, 1982..	156 813	1 251	19 232	12 653	420	9 236	18 643
Irrigated land ----- farms, 1987..	962	74	18	101	7	70	34
----- farms, 1982..	704	47	10	73	7	52	21
----- acres, 1987..	18 790	1 188	70	1 519	85	798	909
----- acres, 1982..	16 418	890	(D)	1 250	(D)	547	438
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales (see text) ----- \$1,000, 1987..	330 696	6 558	16 971	29 029	(D)	16 301	23 538
----- \$1,000, 1982..	271 392	3 688	15 995	27 193	590	13 259	20 694
Average per farm ----- dollars, 1987..	132 331	75 376	122 981	102 214	(D)	94 773	103 690
----- dollars, 1982..	113 033	65 849	108 811	101 087	49 170	83 919	92 383
1987 sales by commodity or commodity group:							
Crops, including nursery and greenhouse crops ----- farms..	1 893	83	80	210	13	139	141
----- \$1,000..	209 973	6 196	4 149	18 652	(D)	11 765	10 466
Grains ----- farms..	52	-	4	5	-	-	11
----- \$1,000..	732	-	(D)	(D)	-	-	99
Corn for grain ----- farms..	46	-	4	4	-	-	9
----- \$1,000..	686	-	98	16	-	-	(D)
Wheat ----- farms..	2	-	2	-	-	-	-
----- \$1,000..	(D)	-	(D)	-	-	-	-
Soybeans ----- farms..	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-
Sorghum for grain ----- farms..	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-
Barley ----- farms..	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-
Oats ----- farms..	2	-	2	-	-	-	-
----- \$1,000..	(D)	-	(D)	-	-	-	-
Other grains ----- farms..	6	-	-	1	-	-	2
----- \$1,000..	(D)	-	-	(D)	-	-	(D)
Cotton and cottonseed ----- farms..	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-
Tobacco ----- farms..	21	-	-	-	-	-	5
----- \$1,000..	4 587	-	-	-	-	-	162
Hay, silage, and field seeds ----- farms..	491	-	45	54	3	39	57
----- \$1,000..	5 523	-	773	492	(D)	675	491
Vegetables, sweet corn, and melons ----- farms..	622	15	22	94	4	57	63
----- \$1,000..	23 902	(D)	476	3 594	210	2 337	2 253
Fruits, nuts, and berries ----- farms..	730	55	12	54	3	32	32
----- \$1,000..	91 022	3 963	418	2 395	(D)	548	3 101
Nursery and greenhouse crops ----- farms..	561	30	22	58	7	64	31
----- \$1,000..	79 988	1 916	(D)	12 040	(D)	8 177	3 367
Other crops ----- farms..	81	2	3	7	1	6	21
----- \$1,000..	4 219	(D)	(D)	(D)	(D)	28	993
Livestock, poultry, and their products ----- farms..	1 117	16	104	130	8	77	143
----- \$1,000..	120 723	362	12 822	10 377	(D)	4 536	13 071
Poultry and poultry products ----- farms..	194	12	6	19	6	14	14
----- \$1,000..	22 950	(D)	2 332	1 908	(D)	(D)	282
Dairy products ----- farms..	573	1	64	60	-	23	105
----- \$1,000..	63 231	(D)	(D)	6 067	-	2 167	11 008
Cattle and calves ----- farms..	804	3	86	91	5	41	128
----- \$1,000..	9 591	(D)	1 127	1 289	(D)	559	1 340
Hogs and pigs ----- farms..	143	-	6	29	4	7	12
----- \$1,000..	3 821	-	8	632	(D)	164	49
Sheep, lambs, and wool ----- farms..	102	2	10	10	5	4	8
----- \$1,000..	437	(D)	(D)	34	27	(D)	7
Other livestock and livestock products (see text) ----- farms..	176	6	11	20	-	26	15
----- \$1,000..	20 694	(D)	249	447	-	344	386

See footnotes at end of table.



**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>FARMS AND LAND IN FARMS</b>								
Land in farms ----- farms, 1987..	158	228	240	8	76	438	3	424
----- farms, 1982..	158	246	249	4	84	355	3	436
----- acres, 1987..	23 444	38 437	23 437	605	8 006	66 683	(D)	77 666
----- acres, 1982..	24 930	42 762	22 923	(D)	7 747	69 067	(D)	79 084
Average size of farm ----- acres, 1987..	148	169	98	76	105	152	(D)	183
----- acres, 1982..	158	174	92	(D)	92	195	(D)	181
Value of land and buildings <sup>1</sup> : Average per farm ----- dollars, 1987..	454 867	385 161	495 326	(D)	542 353	546 770	(D)	590 199
----- dollars, 1982..	251 247	255 045	393 544	(D)	266 744	385 904	(D)	262 933
Average per acre ----- dollars, 1987..	2 640	2 334	5 494	(D)	5 896	3 490	(D)	3 409
----- dollars, 1982..	1 839	1 641	4 984	(D)	3 030	2 095	(D)	1 598
Total cropland ----- farms, 1987..	153	224	223	8	74	429	3	392
----- farms, 1982..	152	237	226	4	81	339	3	407
----- acres, 1987..	11 924	25 978	15 040	(D)	4 586	19 554	(D)	42 488
----- acres, 1982..	13 522	26 951	14 348	(D)	3 575	19 964	(D)	40 792
Harvested cropland ----- farms, 1987..	149	221	214	8	68	420	3	369
----- farms, 1982..	148	231	222	4	77	336	3	395
----- acres, 1987..	9 818	19 117	11 857	(D)	2 772	17 202	(D)	30 833
----- acres, 1982..	10 066	21 684	11 863	(D)	2 332	17 068	(D)	32 176
Irrigated land ----- farms, 1987..	44	29	98	8	36	367	3	73
----- farms, 1982..	35	15	78	4	32	272	2	56
----- acres, 1987..	723	263	1 177	(D)	257	10 699	(D)	694
----- acres, 1982..	866	371	936	(D)	396	9 371	(D)	1 052
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>								
Total sales (see text) ----- \$1,000, 1987..	18 301	26 431	48 972	(D)	12 797	76 357	(D)	52 417
----- \$1,000, 1982..	14 883	24 286	44 465	(D)	8 779	51 732	(D)	45 365
Average per farm ----- dollars, 1987..	115 827	115 927	204 051	(D)	168 385	174 331	(D)	123 625
----- dollars, 1982..	94 196	98 725	178 574	(D)	104 511	145 724	(D)	104 048
1987 sales by commodity or commodity group:								
Crops, including nursery and greenhouse crops ----- farms..	120	166	206	8	57	407	3	260
----- \$1,000..	12 920	15 276	28 450	(D)	8 803	72 414	329	18 006
Grains ----- farms..	6	19	2	-	1	1	-	3
----- \$1,000..	(D)	367	(D)	-	(D)	(D)	-	(D)
Corn for grain ----- farms..	5	17	2	-	1	1	-	3
----- \$1,000..	36	(D)	(D)	-	(D)	(D)	-	(D)
Wheat ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Soybeans ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Sorghum for grain ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Barley ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Oats ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Other grains ----- farms..	1	2	-	-	-	-	-	-
----- \$1,000..	(D)	(D)	-	-	-	-	-	-
Cotton and cottonseed ----- farms..	-	-	-	-	-	-	-	-
----- \$1,000..	-	-	-	-	-	-	-	-
Tobacco ----- farms..	5	11	-	-	-	-	-	-
----- \$1,000..	2 540	1 886	-	-	-	-	-	-
Hay, silage, and field seeds ----- farms..	33	57	55	-	10	22	-	116
----- \$1,000..	252	339	743	-	(D)	263	-	1 342
Vegetables, sweet corn, and melons ----- farms..	56	75	88	4	18	32	-	94
----- \$1,000..	2 707	3 220	3 301	(D)	637	1 320	-	3 034
Fruits, nuts, and berries ----- farms..	35	33	46	3	12	342	-	71
----- \$1,000..	1 507	1 295	1 874	(D)	430	67 463	-	6 758
Nursery and greenhouse crops ----- farms..	46	36	92	6	37	46	3	83
----- \$1,000..	5 580	5 556	22 478	332	7 578	3 364	329	6 796
Other crops ----- farms..	3	21	4	2	-	2	-	9
----- \$1,000..	(D)	2 613	(D)	(D)	-	(D)	-	(D)
Livestock, poultry, and their products ----- farms..	65	112	96	2	33	68	-	283
----- \$1,000..	5 381	11 156	20 522	(D)	3 994	3 943	-	34 412
Poultry and poultry products ----- farms..	13	9	23	1	7	16	-	54
----- \$1,000..	884	163	1 479	(D)	147	169	-	14 009
Dairy products ----- farms..	39	77	20	-	14	18	-	152
----- \$1,000..	(D)	9 228	2 818	(D)	(D)	(D)	-	16 088
Cattle and calves ----- farms..	51	98	52	1	23	28	-	197
----- \$1,000..	457	946	754	(D)	122	744	-	2 242
Hogs and pigs ----- farms..	3	9	25	-	3	9	-	36
----- \$1,000..	(D)	420	1 291	-	(D)	597	-	618
Sheep, lambs, and wool ----- farms..	4	5	23	-	4	8	-	19
----- \$1,000..	1	(D)	(D)	-	(D)	(D)	-	31
Other livestock and livestock products (see text) ----- farms..	4	8	20	-	6	23	-	37
----- \$1,000..	26	(D)	(D)	-	(D)	381	-	1 424

See footnotes at end of table.

Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>							
Cash grains (011) .....	12	-	2	1	-	-	1
Field crops, except cash grains (013) .....	186	-	17	23	-	16	27
Cotton (0131) .....	-	-	-	-	-	-	-
Tobacco (0132) .....	14	-	-	-	-	-	2
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	172	-	17	23	-	16	25
Vegetables and melons (016) .....	400	11	8	69	4	46	35
Fruits and tree nuts (017) .....	567	46	6	38	1	8	22
Horticultural specialties (018) .....	423	22	18	46	5	47	19
General farms, primarily crop (019) .....	36	1	2	3	-	1	2
Livestock, except dairy, poultry, and animal specialties (021) .....	165	-	15	30	2	12	9
Beef cattle, except feedlots (0212) .....	64	-	11	5	-	6	6
Dairy farms (024) .....	538	1	61	55	-	19	101
Poultry and eggs (025) .....	70	2	4	11	1	5	3
Animal specialties (027) .....	81	2	5	7	-	15	6
General farms, primarily livestock and animal specialties (029) .....	21	2	-	1	3	3	2
<b>FARMS BY SIZE</b>							
1 to 9 acres .....	344	28	15	52	5	32	6
1987 .....	279	9	12	28	1	29	12
1982 .....	672	41	16	76	4	61	41
10 to 49 acres .....	575	33	14	85	3	51	26
1987 .....	195	7	6	27	1	7	10
1982 .....	182	3	3	27	3	14	7
50 to 69 acres .....	201	3	7	29	2	14	19
1987 .....	195	3	7	24	3	9	13
1982 .....	236	3	6	34	2	11	30
100 to 139 acres .....	269	3	8	33	1	11	25
1987 .....	161	1	4	28	-	12	23
1982 .....	190	3	13	23	1	13	21
140 to 179 acres .....	143	-	10	2	-	7	17
1987 .....	162	-	18	19	-	5	30
1982 .....	113	2	6	12	-	8	16
220 to 259 acres .....	110	-	8	9	-	7	16
1987 .....	301	1	38	19	-	13	51
1982 .....	300	1	35	16	-	13	54
500 to 999 acres .....	103	1	25	5	-	6	13
1987 .....	117	-	24	4	-	5	19
1982 .....	25	-	5	-	2	1	1
1,000 to 1,999 acres .....	17	1	5	1	-	-	1
1987 .....	5	-	-	-	-	-	-
1982 .....	5	-	-	-	-	1	-
2,000 acres or more .....	-	-	-	-	-	-	-
1987 .....	-	-	-	-	-	-	-
1982 .....	-	-	-	-	-	-	-
<b>TENURE OF OPERATOR</b>							
Full owners .....	1 420	61	60	156	10	116	77
farms, 1987 .....	1 231	39	53	131	4	93	63
1982 .....	169 068	2 553	13 747	12 251	3 095	8 805	10 348
acres, 1987 .....	140 851	1 560	10 145	10 996	196	7 615	10 215
1982 .....	823	13	64	89	4	44	123
Part owners .....	953	9	80	100	6	52	138
farms, 1987 .....	184 590	(D)	25 270	11 258	(D)	9 680	31 632
1982 .....	230 003	1 895	32 488	13 989	(D)	10 848	36 602
Tenants .....	256	13	14	39	2	12	27
farms, 1987 .....	217	8	14	38	2	13	23
1982 .....	28 240	(D)	3 782	3 339	(D)	926	5 396
acres, 1987 .....	22 381	123	2 170	3 702	(D)	552	2 737
1982 .....							
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:							
On farm operated .....	1 802	47	116	210	11	126	206
1987 .....	1 786	35	126	204	11	125	180
1982 .....	554	39	19	56	3	33	17
Not on farm operated .....	430	19	11	40	1	25	25
1987 .....	143	1	3	18	2	13	4
1982 .....	185	2	10	25	-	8	19
Operators by principal occupation:							
Farming .....	1 918	55	111	232	13	134	185
1987 .....	1 970	40	124	228	12	116	205
1982 .....	581	32	27	52	3	38	42
Other .....	431	16	23	41	-	42	19
Operators by days of work off farm:							
None .....	1 382	39	98	171	7	100	135
1987 .....	1 382	26	98	159	6	85	137
1982 .....	957	42	29	82	9	63	84
Any .....	787	28	38	84	6	63	66
1987 .....	194	5	7	10	2	13	30
1982 .....	148	5	10	16	-	13	25
1 to 49 days .....	76	3	-	6	2	6	4
1987 .....	88	7	2	9	4	5	5
1982 .....	115	8	6	10	1	6	7
50 to 99 days .....	87	1	8	9	-	6	5
1987 .....							
1982 .....							

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>1987 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>								
Cash grains (011) .....	1	7	-	-	-	-	-	-
Field crops, except cash grains (013) .....	19	20	21	-	3	8	-	32
Cotton (0131) .....	-	-	-	-	-	-	-	-
Tobacco (0132) .....	5	7	-	-	-	-	-	-
Sugarcane and sugar beets; Irish potatoes; field crops, except cash grains, n.e.c. (0133, 0134, 0139) .....	14	13	21	-	3	8	-	32
Vegetables and melons (016) .....	37	59	50	3	10	20	-	48
Fruits and tree nuts (017) .....	19	16	27	1	5	331	-	47
Horticultural specialties (018) .....	32	24	74	4	30	39	3	60
General farms, primarily crop (019) .....	1	6	8	-	4	1	-	7
Livestock, except dairy, poultry, and animal specialties (021) .....	1	15	24	-	5	9	-	43
Beef cattle, except feedlots (0212) .....	1	10	8	-	2	2	-	13
Dairy farms (024) .....	39	73	18	-	12	17	-	142
Poultry and eggs (025) .....	7	4	6	-	2	3	-	22
Animal specialties (027) .....	2	4	10	-	4	10	-	16
General farms, primarily livestock and animal specialties (029) .....	-	-	2	-	1	-	-	7
<b>FARMS BY SIZE</b>								
1 to 9 acres .....	18	18	50	4	19	47	3	47
1987 .....	18	13	59	1	30	29	3	43
1982 .....	10	13	72	2	24	171	3	78
10 to 49 acres .....	28	58	65	1	19	125	-	64
1987 .....	17	18	21	-	4	49	-	28
1982 .....	14	14	26	1	5	35	-	30
70 to 99 acres .....	23	27	15	-	4	28	-	30
1987 .....	17	16	25	-	5	33	-	40
1982 .....	13	24	18	-	9	41	-	45
100 to 139 acres .....	21	32	25	-	10	42	-	58
1987 .....	10	12	14	-	2	18	-	37
1982 .....	22	23	13	-	2	19	-	37
140 to 179 acres .....	12	13	21	-	3	21	-	37
1987 .....	11	17	8	1	2	14	-	37
1982 .....	11	14	10	1	2	6	-	25
220 to 259 acres .....	6	17	6	-	5	9	-	27
1987 .....	17	28	16	1	6	39	-	72
1982 .....	22	36	16	3	3	31	-	73
260 to 499 acres .....	8	12	3	-	2	8	-	20
1987 .....	7	15	6	-	2	13	-	22
1982 .....	1	3	-	-	1	7	-	4
1,000 to 1,999 acres .....	-	1	-	-	1	2	-	5
1987 .....	-	1	-	-	-	3	-	1
1982 .....	-	1	-	-	-	3	-	-
2,000 acres or more .....	-	1	-	-	-	3	-	-
1987 .....	-	1	-	-	-	3	-	-
1982 .....	-	1	-	-	-	3	-	-
<b>TENURE OF OPERATOR</b>								
Full owners .....	93	87	144	3	50	348	2	213
farms, 1987 .....	71	90	143	2	50	287	2	203
1982 .....	10 646	10 269	7 666	(D)	4 129	59 128	(D)	26 424
acres, 1987 .....	7 778	8 830	6 670	(D)	3 465	47 113	(D)	26 064
1982 .....	53	118	71	3	16	53	1	171
Part owners .....	75	127	76	1	26	57	1	205
farms, 1987 .....	11 599	25 960	14 246	(D)	3 517	5 576	(D)	44 198
1982 .....	16 575	30 444	14 173	(D)	4 232	18 425	(D)	49 885
Tenants .....	12	23	25	2	10	37	-	40
farms, 1987 .....	12	29	30	1	8	11	-	28
1982 .....	1 199	2 208	1 525	(D)	360	1 979	-	7 044
acres, 1987 .....	577	3 488	2 080	(D)	50	3 529	-	3 135
1982 .....	-	-	-	-	-	-	-	-
<b>OPERATOR CHARACTERISTICS</b>								
Operators by place of residence:								
On farm operated .....	118	176	177	6	52	224	1	332
1987 .....	129	195	172	3	62	188	2	354
1982 .....	29	33	47	2	16	185	2	73
Not on farm operated .....	21	28	57	-	15	140	1	47
1987 .....	11	19	16	-	8	29	-	19
1982 .....	8	23	20	1	7	27	-	35
Not reported .....	-	-	-	-	-	-	-	-
Operators by principal occupation:								
Farming .....	126	189	167	5	50	314	1	336
1987 .....	137	210	193	3	56	277	3	366
1982 .....	32	39	73	3	26	124	2	88
Other .....	21	36	56	1	28	78	-	70
1987 .....	-	-	-	-	-	-	-	-
1982 .....	-	-	-	-	-	-	-	-
Operators by days of work off farm:								
None .....	105	130	126	2	38	186	2	243
1987 .....	98	142	151	1	42	166	2	269
1982 .....	46	81	95	5	34	232	1	154
Any .....	43	73	85	2	31	144	-	124
1987 .....	10	17	20	2	3	42	-	33
1982 .....	9	12	14	1	3	17	-	23
1 to 49 days .....	1	10	6	-	6	24	-	8
1987 .....	6	11	13	1	3	12	-	10
1982 .....	8	7	11	2	-	25	-	24
50 to 99 days .....	5	7	8	-	3	23	-	12
1987 .....	-	-	-	-	-	-	-	-
1982 .....	-	-	-	-	-	-	-	-
100 to 149 acres .....	-	-	-	-	-	-	-	-
1987 .....	-	-	-	-	-	-	-	-
1982 .....	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>OPERATOR CHARACTERISTICS—</b>							
Con.							
Operators by days of work off farm—Con.							
Any—Con.							
150 to 199 days ----- 1987..	121	8	1	12	2	2	17
----- 1982..	87	1	4	7	2	11	11
200 days or more ----- 1987..	451	18	15	44	2	36	26
----- 1982..	377	14	14	43	-	28	20
Not reported ----- 1987..	160	6	11	31	-	9	8
----- 1982..	232	2	11	26	-	10	21
1987 operators by years on present farm:							
2 years or less -----	88	6	2	9	-	4	5
3 or 4 years -----	161	8	9	23	1	6	11
5 to 9 years -----	445	16	19	57	4	18	54
10 years or more -----	1 443	53	88	152	8	113	129
Average years on present farm -----	20.2	17.2	23.6	17.6	18.4	25.1	20.3
Not reported -----	362	4	20	43	3	31	28
1987 operators by age group:							
Under 25 years -----	26	-	2	7	-	-	1
25 to 34 years -----	271	13	9	26	2	16	35
35 to 44 years -----	582	18	38	69	4	39	59
45 to 54 years -----	511	11	24	53	2	30	42
55 to 64 years -----	584	19	29	77	3	51	54
65 years and over -----	525	26	36	52	5	36	36
Average age -----	52.0	53.1	53.4	51.3	53.4	53.6	50.0
<b>TYPE OF ORGANIZATION</b>							
Individual or family (sole proprietorship) ----- farms, 1987..	1 757	60	99	222	12	116	163
----- 1982..	1 779	44	116	218	9	115	164
----- acres, 1987..	226 640	2 066	28 676	20 828	480	12 177	28 837
----- 1982..	242 014	2 616	32 731	21 240	440	12 202	30 933
Partnership ----- farms, 1987..	278	5	22	21	-	21	41
----- 1982..	267	3	18	28	1	18	40
----- acres, 1987..	57 189	(D)	9 021	(D)	-	(D)	11 527
----- 1982..	54 935	(D)	7 533	3 691	(D)	3 164	(D)
Corporation:							
Family held ----- farms, 1987..	389	15	14	38	3	29	21
----- 1982..	297	7	11	19	-	22	18
----- acres, 1987..	75 917	(D)	(D)	(D)	(D)	3 673	(D)
----- 1982..	78 517	(D)	(D)	(D)	-	(D)	(D)
Other than family held ----- farms, 1987..	40	4	2	1	-	3	-
----- 1982..	36	1	1	4	1	1	1
----- acres, 1987..	4 209	(D)	(D)	(D)	-	280	-
----- 1982..	7 659	(D)	(D)	(D)	(D)	(D)	(D)
Other—cooperative, estate or trust, institutional, etc. ----- farms, 1987..	35	3	1	2	1	3	2
----- 1982..	22	1	1	-	1	2	1
----- acres, 1987..	17 943	(D)	(D)	(D)	(D)	(D)	(D)
----- 1982..	10 110	(D)	(D)	-	(D)	(D)	(D)
<b>1987 FARM PRODUCTION EXPENSES<sup>1</sup></b>							
Total farm production expenses ----- farms..	2 490	86	138	286	16	171	225
----- \$1,000..	226 609	3 919	11 262	18 259	(D)	10 939	16 029
Livestock and poultry purchased ----- farms..	618	12	47	77	6	65	64
----- \$1,000..	10 064	78	800	990	(D)	621	350
Feed for livestock and poultry ----- farms..	930	16	74	73	8	81	108
----- \$1,000..	29 750	91	3 014	2 742	(D)	1 483	2 525
Commercially mixed formula feeds ----- farms..	756	16	63	70	5	53	99
----- \$1,000..	25 551	(D)	2 719	2 238	60	1 147	2 122
Seeds, bulbs, plants, and trees ----- farms..	1 475	33	115	191	9	116	173
----- \$1,000..	5 999	120	247	1 011	26	329	440
Commercial fertilizer ----- farms..	2 047	78	130	230	11	126	207
----- \$1,000..	8 165	129	494	554	23	279	967
Agricultural chemicals ----- farms..	1 898	75	103	213	6	108	183
----- \$1,000..	6 990	199	133	352	6	183	513
Petroleum products ----- farms..	2 429	78	136	286	12	163	225
----- \$1,000..	10 406	(D)	527	991	(D)	576	842
Electricity ----- farms..	2 060	54	116	214	12	170	191
----- \$1,000..	5 399	63	497	452	20	323	463
Hired farm labor ----- farms..	1 518	58	98	126	12	115	129
----- \$1,000..	65 517	1 369	2 430	4 546	(D)	2 515	3 250
Contract labor ----- farms..	667	37	15	46	3	24	39
----- \$1,000..	7 397	153	43	463	(D)	506	740
Repair and maintenance ----- farms..	2 262	78	138	234	14	158	209
----- \$1,000..	13 712	248	635	1 277	28	724	1 161
Customwork, machine hire, and rental of machinery and equipment ----- farms..	694	31	32	33	6	55	68
----- \$1,000..	3 282	70	84	68	6	111	170
Interest ----- farms..	1 206	37	60	107	5	79	106
----- \$1,000..	12 029	285	651	564	(D)	655	740
Cash rent ----- farms..	747	27	64	102	4	35	117
----- \$1,000..	3 400	142	123	345	(D)	113	443
Property taxes ----- farms..	2 304	74	119	238	14	170	220
----- \$1,000..	9 316	194	447	547	39	762	536
All other farm production expenses ----- farms..	2 489	86	137	286	16	171	225
----- \$1,000..	35 183	547	1 140	3 355	54	1 758	2 888

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>OPERATOR CHARACTERISTICS—</b>								
Con.								
Operators by days of work off farm—Con.								
Any—Con.								
150 to 199 days.....	1987.. 7	5	16	-	5	27	1	18
	1982.. 4	6	10	-	6	10	-	15
200 days or more.....	1987.. 20	42	42	1	20	114	-	71
	1982.. 19	37	40	-	16	82	-	64
Not reported.....	1987.. 7	17	19	1	4	20	-	27
	1982.. 17	31	13	1	11	45	1	43
1987 operators by years on present farm:								
2 years or less.....	1	9	11	-	3	19	-	19
3 or 4 years.....	9	13	19	1	2	30	-	29
5 to 9 years.....	23	32	39	3	9	90	1	80
10 years or more.....	97	129	133	4	49	246	2	240
Average years on present farm.....	24.9	21.7	19.6	(D)	23.7	17.3	(D)	19.8
Not reported.....	28	45	38	-	13	53	-	56
1987 operators by age group:								
Under 25 years.....	2	5	3	-	-	-	-	6
25 to 34 years.....	10	24	28	1	5	34	-	68
35 to 44 years.....	31	38	51	3	14	123	-	95
45 to 54 years.....	30	38	54	3	15	116	3	90
55 to 64 years.....	39	56	57	-	25	91	-	83
65 years and over.....	46	67	47	1	17	74	-	82
Average age.....	56.0	54.5	51.7	(D)	54.1	51.0	(D)	50.1
<b>TYPE OF ORGANIZATION</b>								
Individual or family (sole proprietorship)..... farms, 1987.. 106								
	1982.. 119	172	146	6	40	283	-	332
	acres, 1987.. 13 775	23 382	13 739	283	6 004	22 392	-	54 021
	1982.. 16 768	29 722	15 171	(D)	5 719	19 666	(D)	54 528
Partnership..... farms, 1987.. 25								
	1982.. 19	28	35	2	4	31	1	42
	acres, 1987.. 4 681	5 915	3 300	(D)	(D)	8 110	(D)	8 909
	1982.. 4 107	4 998	1 613	-	(D)	4 437	-	12 903
Corporation:								
Family held..... farms, 1987.. 22								
	1982.. 18	20	49	-	24	107	2	45
	acres, 1987.. 3 985	7 087	5 438	-	(D)	(D)	(D)	(D)
	1982.. (D)	(D)	5 338	-	918	(D)	(D)	(D)
Other than family held..... farms, 1987.. 4								
	1982.. 1	5	6	-	6	7	-	2
	acres, 1987.. (D)	1 046	201	-	(D)	(D)	-	(D)
	1982.. (D)	(D)	801	-	-	(D)	-	(D)
Other—cooperative, estate or trust, institutional, etc..... farms, 1987.. 1								
	1982.. 1	3	4	-	2	10	-	3
	acres, 1987.. (D)	1 007	759	-	(D)	4 198	-	5 610
	1982.. (D)	688	-	-	(D)	2 035	-	4 441
<b>1987 FARM PRODUCTION EXPENSES<sup>1</sup></b>								
Total farm production expenses..... farms.. 158								
	\$1,000.. 14 373	224	236	8	68	443	3	428
Livestock and poultry purchased..... farms.. 37								
	\$1,000.. 457	63	39	2	16	20	-	170
Feed for livestock and poultry..... farms.. 90								
	\$1,000.. 1 516	97	69	2	18	804	-	2 268
Commercially mixed formula feeds..... farms.. 81								
	\$1,000.. 1 270	85	50	2	17	43	-	251
		1 615	3 113	(D)	250	888	-	11 142
						16	-	199
						578	-	10 396
Seeds, bulbs, plants, and trees..... farms.. 98								
	\$1,000.. 378	186	149	5	58	104	-	238
Commercial fertilizer..... farms.. 130								
	\$1,000.. 664	201	179	6	61	398	3	287
Agricultural chemicals..... farms.. 124								
	\$1,000.. 359	1 253	404	(D)	131	2 039	(D)	1 149
		178	169	6	43	405	3	282
		816	414	(D)	102	2 691	(D)	1 170
Petroleum products..... farms.. 158								
	\$1,000.. 712	224	224	8	67	418	3	427
Electricity..... farms.. 134								
	\$1,000.. 362	1 197	1 502	(D)	484	1 841	(D)	1 365
Hired farm labor..... farms.. 83								
	\$1,000.. 4 734	205	184	7	43	345	3	382
		468	909	(D)	116	724	(D)	972
		162	144	7	35	324	2	223
		4 992	14 854	(D)	2 867	15 310	(D)	7 983
Contract labor..... farms.. 54								
	\$1,000.. 280	28	44	2	13	232	1	129
Repair and maintenance..... farms.. 146								
	\$1,000.. 952	209	869	(D)	109	2 451	(D)	1 544
		218	204	8	58	414	3	380
		1 292	1 584	(D)	322	3 298	(D)	1 982
Customwork, machine hire, and rental of machinery and equipment..... farms.. 39								
	\$1,000.. 91	87	61	3	7	188	1	83
Interest..... farms.. 99								
	\$1,000.. 1 025	129	100	7	29	221	1	226
Cash rent..... farms.. 32								
	\$1,000.. 350	1 051	1 401	(D)	191	3 146	(D)	2 101
Property taxes..... farms.. 154								
	\$1,000.. 502	119	80	4	18	28	-	137
		220	250	(D)	62	356	-	816
		610	963	(D)	54	404	3	404
All other farm production expenses..... farms.. 158								
	\$1,000.. 1 992	224	236	8	68	443	3	428
		2 649	5 556	(D)	1 085	7 479	(D)	5 915

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Estimated market value of all machinery and equipment ----- farms, 1987..	2 488	85	138	286	16	171	224
1982..	2 384	56	138	269	12	158	224
\$1,000, 1987..	141 037	3 874	7 874	12 904	454	11 143	11 917
1982..	111 709	1 655	7 738	8 846	357	7 176	10 897
Average per farm ----- dollars, 1987..	56 687	45 582	57 059	45 117	28 389	65 165	53 202
1982..	46 858	29 559	56 072	32 883	29 783	45 420	48 646
Motortrucks, including pickups ----- farms, 1987..	2 309	83	106	257	14	165	207
1982..	2 169	51	134	221	12	154	220
number, 1987..	6 515	190	267	597	24	397	505
1982..	5 810	107	296	528	17	341	569
Wheel tractors ----- farms, 1987..	2 202	53	127	242	14	152	224
1982..	2 008	28	123	234	12	111	221
number, 1987..	7 164	99	554	886	31	516	728
1982..	6 048	62	411	744	21	362	673
Grain and bean combines <sup>2</sup> ----- farms, 1987..	40	1	4	5	-	2	7
1982..	20	-	4	2	-	1	4
number, 1987..	46	(D)	(D)	(D)	-	(D)	8
1982..	(D)	-	4	(D)	-	(D)	6
<b>LIVESTOCK AND POULTRY</b>							
Cattle and calves inventory ----- farms, 1987..	834	3	88	95	5	41	131
1982..	1 075	7	113	127	7	52	160
number, 1987..	70 457	(D)	9 987	6 676	53	2 789	11 624
1982..	88 223	(D)	11 816	8 990	240	3 665	13 876
Cows and heifers that had calved ----- farms, 1987..	762	3	79	85	5	34	121
1982..	990	6	110	107	7	50	152
number, 1987..	40 450	(D)	5 632	4 392	25	1 482	6 612
1982..	51 998	(D)	6 815	5 849	147	2 358	7 546
Beef cows ----- farms, 1987..	259	2	18	35	4	16	26
1982..	281	4	38	32	3	22	30
number, 1987..	4 169	(D)	415	450	(D)	213	254
1982..	3 528	35	515	444	(D)	289	191
Milk cows ----- farms, 1987..	593	1	67	66	2	24	101
1982..	829	2	93	86	4	35	135
number, 1987..	36 281	(D)	5 217	3 942	(D)	1 269	6 358
1982..	48 470	(D)	6 300	5 405	(D)	2 069	7 355
Heifers and heifer calves ----- farms, 1987..	653	1	74	57	4	29	116
number, 1987..	23 341	(D)	3 083	1 408	22	961	4 496
Steers, steer calves, bulls, and bull calves ----- farms, 1987..	431	2	61	50	3	30	54
number, 1987..	6 666	(D)	1 272	876	6	346	516
Cattle and calves sold ----- farms, 1987..	804	3	86	91	5	41	128
1982..	1 018	4	113	118	5	49	150
number, 1987..	34 486	(D)	4 845	3 757	17	1 592	4 872
1982..	41 862	31	4 886	5 123	(D)	1 948	5 824
Calves ----- farms, 1987..	632	3	65	58	1	32	108
number, 1987..	18 708	(D)	2 606	1 622	(D)	648	2 806
Cattle ----- farms, 1987..	738	2	80	81	5	39	124
1982..	928	3	102	109	4	42	144
number, 1987..	15 758	(D)	2 239	2 135	(D)	944	2 066
1982..	17 380	(D)	1 879	2 383	35	1 080	2 302
Fattened on grain and concentrates ----- farms, 1987..	95	-	8	14	4	13	5
number, 1987..	1 958	-	89	656	(D)	98	27
Hogs and pigs inventory ----- farms, 1987..	168	2	9	30	3	6	17
1982..	218	2	20	28	4	9	11
number, 1987..	21 817	(D)	52	4 031	10	328	274
1982..	33 627	(D)	457	4 138	9	447	122
Used or to be used for breeding ----- farms, 1987..	83	2	5	19	1	5	3
1982..	102	-	5	9	1	4	5
number, 1987..	2 331	(D)	9	517	(D)	42	(D)
1982..	3 545	-	(D)	209	(D)	90	12
Other ----- farms, 1987..	156	-	8	30	3	5	16
1982..	210	2	20	28	4	9	11
number, 1987..	19 486	-	43	3 514	(D)	286	(D)
1982..	30 082	(D)	(D)	3 929	(D)	357	110
Hogs and pigs sold ----- farms, 1987..	143	-	6	29	4	7	12
1982..	167	3	9	23	6	5	8
number, 1987..	34 969	-	80	8 496	(D)	1 497	723
1982..	38 123	6	263	5 308	32	662	(D)
Feeder pigs ----- farms, 1987..	25	-	2	4	-	3	2
1982..	48	-	1	7	1	3	2
number, 1987..	6 647	-	(D)	(D)	-	(D)	(D)
1982..	4 640	-	(D)	787	(D)	398	(D)
Sheep and lambs inventory ----- farms, 1987..	109	2	12	9	5	5	10
1982..	86	4	8	5	-	9	12
number, 1987..	5 170	(D)	124	434	759	44	184
1982..	2 111	103	209	78	-	41	116
Sheep and lambs sold ----- farms, 1987..	94	2	9	10	5	3	8
1982..	53	1	7	5	-	4	7
number, 1987..	5 172	(D)	97	383	474	(D)	98
1982..	1 586	(D)	136	39	-	8	88
Hens and pullets of laying age inventory ----- farms, 1987..	205	14	9	22	6	12	17
1982..	194	7	15	17	4	20	14
number, 1987..	1 235 594	(D)	(D)	109 100	(D)	(D)	(D)
1982..	1 151 437	(D)	(D)	(D)	85	(D)	(D)
Broilers and other meat-type chickens sold ----- farms, 1987..	6	-	-	1	-	2	1
1982..	17	1	1	3	-	4	1
number, 1987..	(D)	-	-	(D)	-	(D)	(D)
1982..	159 021	(D)	(D)	(D)	-	(D)	(D)

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>MACHINERY AND EQUIPMENT<sup>1</sup></b>								
Estimated market value of all machinery and equipment ----- farms, 1987 ..	158	224	236	8	68	443	3	428
..... farms, 1982 ..	158	246	248	4	78	354	3	436
..... \$1,000, 1987 ..	8 859	11 434	13 870	(D)	3 077	32 223	(D)	22 934
..... dollars, 1982 ..	6 508	12 452	14 434	(D)	2 712	18 812	(D)	19 790
Average per farm ----- farms, 1987 ..	56 070	51 046	58 773	(D)	45 257	72 739	(D)	53 583
..... dollars, 1982 ..	41 193	50 617	58 201	(D)	34 767	53 141	(D)	45 389
Motortrucks, including pickups ----- farms, 1987 ..	155	213	219	8	66	406	3	407
..... farms, 1982 ..	150	236	191	4	69	308	3	416
..... number, 1987 ..	438	733	745	(D)	129	1 371	(D)	1 074
..... farms, 1982 ..	419	645	636	(D)	192	988	(D)	1 060
Wheel tractors ----- farms, 1987 ..	137	223	201	6	64	378	1	380
..... farms, 1982 ..	146	208	202	4	66	264	1	388
..... number, 1987 ..	456	742	787	(D)	147	873	(D)	1 319
..... farms, 1982 ..	512	638	581	(D)	157	725	(D)	1 148
Grain and bean combines <sup>2</sup> ----- farms, 1987 ..	3	6	2	-	-	1	-	9
..... farms, 1982 ..	-	7	-	-	-	-	-	2
..... number, 1987 ..	3	7	(D)	-	-	(D)	-	9
..... farms, 1982 ..	-	7	-	-	-	-	-	(D)
<b>LIVESTOCK AND POULTRY</b>								
Cattle and calves inventory ----- farms, 1987 ..	54	101	56	1	23	34	-	202
..... farms, 1982 ..	75	132	61	1	28	52	-	260
..... number, 1987 ..	4 367	9 191	3 768	(D)	1 092	4 219	-	16 597
..... farms, 1982 ..	6 023	10 599	3 874	(D)	1 097	6 425	-	21 537
Cows and heifers that had calved ----- farms, 1987 ..	51	91	50	1	21	30	-	191
..... farms, 1982 ..	73	123	50	1	25	45	-	241
..... number, 1987 ..	2 713	5 302	2 135	(D)	661	1 427	-	10 028
..... farms, 1982 ..	3 497	5 943	2 126	(D)	688	4 565	-	12 420
Beef cows ----- farms, 1987 ..	14	19	30	1	14	14	-	66
..... farms, 1982 ..	15	26	23	1	12	16	-	59
..... number, 1987 ..	434	107	679	(D)	87	255	-	1 241
..... farms, 1982 ..	193	161	453	(D)	128	129	-	960
Milk cows ----- farms, 1987 ..	41	83	27	-	14	19	-	148
..... farms, 1982 ..	68	114	34	-	16	32	-	210
..... number, 1987 ..	2 279	5 195	1 456	-	574	1 172	-	8 787
..... farms, 1982 ..	3 304	5 782	1 673	-	560	4 436	-	11 460
Heifers and heifer calves ----- farms, 1987 ..	44	89	40	-	19	22	-	158
..... farms, 1982 ..	1 421	3 626	1 163	-	379	(D)	-	5 175
Steers, steer calves, bulls, and bull calves ----- farms, 1987 ..	21	49	35	1	10	16	-	99
..... farms, 1982 ..	233	263	470	(D)	52	(D)	-	1 394
Cattle and calves sold ----- farms, 1987 ..	51	98	52	1	23	28	-	197
..... farms, 1982 ..	74	131	57	1	22	43	-	251
..... number, 1987 ..	1 788	4 414	2 010	(D)	502	2 001	-	8 635
..... farms, 1982 ..	2 419	5 123	2 009	(D)	745	3 235	-	10 417
Calves ----- farms, 1987 ..	46	84	38	1	15	23	-	158
..... farms, 1982 ..	1 092	2 841	846	(D)	275	763	-	5 178
Cattle ----- farms, 1987 ..	42	86	49	-	20	26	-	184
..... farms, 1982 ..	69	119	49	1	20	42	-	224
..... number, 1987 ..	696	1 573	1 164	-	227	1 238	-	3 457
..... farms, 1982 ..	901	2 309	1 028	(D)	450	1 608	-	3 378
Fattened on grain and concentrates ----- farms, 1987 ..	5	6	11	-	3	5	-	21
..... farms, 1982 ..	20	21	293	-	(D)	(D)	-	297
Hogs and pigs inventory ----- farms, 1987 ..	6	10	21	-	5	12	-	47
..... farms, 1982 ..	5	28	22	1	9	21	-	58
..... number, 1987 ..	28	2 346	4 557	-	(D)	3 063	-	6 418
..... farms, 1982 ..	76	2 258	7 624	(D)	1 425	4 239	-	12 825
Used or to be used for breeding ----- farms, 1987 ..	1	4	8	-	3	6	-	26
..... farms, 1982 ..	1	14	16	-	5	9	-	33
..... number, 1987 ..	(D)	(D)	168	-	(D)	186	-	911
..... farms, 1982 ..	(D)	307	440	-	183	538	-	1 674
Other ----- farms, 1987 ..	5	10	21	-	5	12	-	41
..... farms, 1982 ..	5	26	19	1	9	20	-	56
..... number, 1987 ..	(D)	(D)	4 389	-	(D)	2 877	-	5 507
..... farms, 1982 ..	(D)	1 951	7 184	(D)	1 242	3 701	-	11 151
Hogs and pigs sold ----- farms, 1987 ..	3	9	25	-	3	9	-	36
..... farms, 1982 ..	2	17	23	-	9	16	-	46
..... number, 1987 ..	(D)	4 192	8 177	-	(D)	5 418	-	5 847
..... farms, 1982 ..	(D)	3 842	9 415	-	1 632	5 376	-	11 418
Feeder pigs ----- farms, 1987 ..	-	2	1	-	1	2	-	8
..... farms, 1982 ..	-	9	2	-	4	6	-	13
..... number, 1987 ..	-	(D)	(D)	-	(D)	(D)	-	456
..... farms, 1982 ..	-	510	(D)	-	(D)	353	-	1 694
Sheep and lambs inventory ----- farms, 1987 ..	5	6	23	-	4	9	-	19
..... farms, 1982 ..	1	6	13	-	3	9	-	16
..... number, 1987 ..	(D)	(D)	1 403	-	69	110	-	1 011
..... farms, 1982 ..	(D)	669	342	-	124	(D)	-	380
Sheep and lambs sold ----- farms, 1987 ..	4	5	21	-	3	6	-	18
..... farms, 1982 ..	1	5	10	-	3	-	-	10
..... number, 1987 ..	36	(D)	1 777	-	39	96	-	521
..... farms, 1982 ..	(D)	(D)	324	-	(D)	-	-	305
Hens and pullets of laying age inventory ----- farms, 1987 ..	17	10	26	1	8	13	-	50
..... farms, 1982 ..	12	19	23	1	7	15	-	40
..... number, 1987 ..	(D)	(D)	(D)	(D)	4 535	(D)	-	834 751
..... farms, 1982 ..	(D)	(D)	125 094	(D)	(D)	(D)	-	(D)
Broilers and other meat-type chickens sold ----- farms, 1987 ..	1	-	-	-	-	-	-	1
..... farms, 1982 ..	1	-	2	-	-	2	-	2
..... number, 1987 ..	(D)	-	-	-	-	-	-	(D)
..... farms, 1982 ..	(D)	-	(D)	-	-	(D)	-	(D)

See footnotes at end of table.

**Table 16. Farms With Sales of \$10,000 or More: 1987 and 1982—Con.**

[Data for 1987 include abnormal farms. For meaning of abbreviations and symbols, see introductory text]

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin
<b>CROPS HARVESTED</b>							
Corn for grain or seed ----- farms, 1987..	90	-	12	9	-	2	14
	1982..	94	2	15	9	2	15
acres, 1987..	5 189	-	810	318	-	(D)	921
	1982..	5 601	(D)	999	(D)	(D)	1 078
bushels, 1987..	585 966	-	83 267	24 746	-	(D)	114 919
	1982..	550 464	(D)	83 720	(D)	(D)	109 403
Corn for silage or green chop ----- farms, 1987..	468	1	53	52	-	15	84
	1982..	675	-	71	84	1	29
acres, 1987..	27 193	(D)	4 053	2 143	-	728	3 824
	1982..	35 308	-	4 761	4 357	(D)	1 146
tons, green, 1987..	501 419	(D)	73 026	34 474	-	14 428	78 220
	1982..	599 106	-	82 179	67 039	(D)	16 258
Irish potatoes ----- farms, 1987..	73	1	4	7	1	5	20
	1982..	91	-	2	12	1	8
acres, 1987..	2 588	(D)	(D)	(D)	(D)	(D)	738
	1982..	3 691	-	(D)	154	(D)	18
cwt, 1987..	609 350	(D)	(D)	(D)	(D)	(D)	156 973
	1982..	723 891	-	(D)	(D)	(D)	4 030
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms, 1987..	969	3	101	91	6	59	147
	1982..	1 106	2	111	109	5	61
acres, 1987..	80 401	(D)	12 365	5 159	(D)	6 438	10 506
	1982..	81 992	(D)	13 388	5 113	334	5 948
tons, dry, 1987..	189 640	(D)	30 851	10 373	293	13 495	25 722
	1982..	187 066	(D)	33 941	11 359	513	9 806
Vegetables harvested for sale (see text) ----- farms, 1987..	622	15	22	94	4	57	63
	1982..	566	12	19	92	7	52
acres, 1987..	15 064	241	457	2 412	62	1 696	1 267
	1982..	13 717	129	326	2 421	82	1 397
Land in orchards ----- farms, 1987..	247	6	9	26	2	15	21
	1982..	208	4	8	20	3	10
acres, 1987..	7 886	(D)	168	304	(D)	424	998
	1982..	7 976	(D)	190	234	(D)	319
<b>CROPS HARVESTED</b>							
Corn for grain or seed ----- farms, 1987..	7	30	3	-	1	2	10
	1982..	7	30	-	-	4	9
acres, 1987..	250	1 943	115	-	(D)	(D)	507
	1982..	93	2 480	-	-	176	353
bushels, 1987..	26 900	252 362	(D)	-	(D)	(D)	49 326
	1982..	7 577	283 146	-	-	6 980	26 023
Corn for silage or green chop ----- farms, 1987..	40	67	20	-	5	15	116
	1982..	54	91	39	-	20	163
acres, 1987..	2 514	4 075	1 158	-	(D)	2 148	6 355
	1982..	2 957	4 299	1 526	-	3 606	7 674
tons, green, 1987..	42 825	72 536	21 756	-	(D)	36 041	125 013
	1982..	40 759	72 154	26 188	-	61 069	133 786
Irish potatoes ----- farms, 1987..	1	19	3	2	-	2	8
	1982..	5	25	2	2	4	13
acres, 1987..	(D)	(D)	3	(D)	-	(D)	(D)
	1982..	(D)	2 398	(D)	(D)	(D)	41
cwt, 1987..	(D)	(D)	280	(D)	-	(D)	(D)
	1982..	(D)	418 047	(D)	(D)	(D)	6 852
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms, 1987..	70	123	69	1	24	40	235
	1982..	79	156	74	3	32	268
acres, 1987..	3 944	8 937	6 968	(D)	2 147	3 775	19 934
	1982..	4 007	10 522	6 024	(D)	1 483	21 023
tons, dry, 1987..	9 245	22 321	13 877	(D)	3 968	8 897	50 419
	1982..	9 899	25 654	14 218	(D)	2 363	47 353
Vegetables harvested for sale (see text) ----- farms, 1987..	56	75	88	4	18	32	94
	1982..	43	63	90	3	15	86
acres, 1987..	1 627	2 035	2 134	137	246	915	1 834
	1982..	1 570	1 552	2 531	117	221	895
Land in orchards ----- farms, 1987..	30	19	41	-	7	9	62
	1982..	24	14	29	-	5	63
acres, 1987..	741	824	1 159	-	119	(D)	3 012
	1982..	837	607	1 275	-	147	3 322

<sup>1</sup>Data are based on a sample of farms.  
<sup>2</sup>Data for 1982 include self-propelled only.



**Table 17. Milk Goats—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales					Total sales (\$1,000)
			Milk goats		Goat milk		Farms	
	Farms	Number	Farms	Number	Farms	Gallons		
<b>STATE TOTAL</b>								
Massachusetts ..... 1987..	152	1 446	49	541	50	67 723	76	291
..... 1982..	166	1 094	72	652	30	20 971	(NA)	97
<b>COUNTIES, 1987</b>								
Barnstable .....	8	(D)	4	(D)	4	1 004	4	7
Berkshire .....	13	93	3	18	3	(D)	4	(D)
Bristol .....	9	87	-	-	3	(D)	3	(D)
Essex .....	14	107	5	45	5	2 816	7	12
Franklin .....	24	271	7	81	12	9 260	16	32
Hampden .....	17	67	1	(D)	4	2 872	5	7
Hampshire .....	4	84	4	56	2	(D)	4	2
Middlesex .....	5	130	4	75	3	4 500	4	11
Norfolk .....	5	(D)	2	(D)	2	(D)	2	(D)
Plymouth .....	14	(D)	6	22	1	(D)	6	1
Worcester .....	39	(D)	13	136	11	24 683	21	128

**Table 18. Angora Goats—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales				Total sales (\$1,000)	
			Angora goats		Mohair			Farms
	Farms	Number	Farms	Number	Farms	Pounds		
<b>STATE TOTAL</b>								
Massachusetts ..... 1987..	9	23	-	-	5	103	5	(D)
..... 1982..	2	(D)	1	(D)	1	(D)	(NA)	(D)
<b>COUNTIES, 1987</b>								
Essex .....	3	5	-	-	2	(D)	2	(D)
All other counties.....	6	18	-	-	3	(D)	3	(Z)

**Table 19. Mink and Their Pelts—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales		Sales (\$1,000)
	Farms	Number	Farms	Number	
<b>STATE TOTAL</b>					
Massachusetts ..... 1987..	4	2 855	6	12 728	361
..... 1982..	7	4 008	8	13 834	386

**Table 20. Colonies of Bees and Honey—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales					Total sales (\$1,000)
			Colonies of bees		Honey		Farms	
	Farms	Number	Farms	Number	Farms	Pounds		
<b>STATE TOTAL</b>								
Massachusetts ----- 1987--	378	9 391	19	169	141	170 099	145	117
----- 1982--	388	7 260	19	754	83	123 458	(NA)	111
<b>COUNTIES, 1987</b>								
Barnstable -----	13	46	-	-	1	(D)	1	(D)
Berkshire -----	20	51	1	(D)	6	510	7	(Z)
Bristol -----	45	(D)	3	80	21	(D)	21	66
Essex -----	28	206	3	13	17	4 371	17	5
Franklin -----	35	400	-	-	12	5 425	12	5
Hampden -----	19	78	1	(D)	7	1 480	7	2
Hampshire -----	23	305	2	(D)	11	7 515	11	6
Middlesex -----	43	2 055	2	(D)	21	16 448	21	15
Norfolk -----	16	387	1	(D)	5	3 630	6	4
Plymouth -----	62	733	2	(D)	19	6 332	20	6
Worcester -----	67	209	4	14	17	2 577	18	3
All other counties -----	7	(D)	-	-	4	3 250	4	(D)

**Table 21. Fish Sales: 1987 and 1982**

[Not published for this State]

**Table 22. Miscellaneous Poultry—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales	
	Farms	Number	Farms	Number
<b>DUCKS</b>				
<b>State Total</b>				
Massachusetts ----- 1987--	153	5 500	37	(D)
----- 1982--	175	13 482	43	(D)
<b>Counties, 1987</b>				
Barnstable -----	3	22	2	(D)
Berkshire -----	9	(D)	2	(D)
Bristol -----	18	760	7	275
Dukes -----	6	51	1	(D)
Essex -----	9	89	3	108
Franklin -----	16	185	1	(D)
Hampden -----	16	154	-	-
Hampshire -----	14	82	-	-
Middlesex -----	15	157	3	38
Norfolk -----	4	(D)	1	(D)
Plymouth -----	10	110	4	(D)
Worcester -----	33	3 744	13	(D)
<b>GEESE</b>				
<b>State Total</b>				
Massachusetts ----- 1987--	189	3 697	37	1 554
----- 1982--	186	1 733	44	920
<b>Counties, 1987</b>				
Barnstable -----	3	22	2	(D)
Berkshire -----	13	165	-	-
Bristol -----	21	2 136	6	234
Dukes -----	5	(D)	-	-
Essex -----	15	136	3	(D)
Franklin -----	16	138	5	24
Hampden -----	20	188	1	(D)
Hampshire -----	13	81	1	(D)
Middlesex -----	18	167	7	35
Norfolk -----	6	35	-	-
Plymouth -----	26	(D)	3	(D)
Worcester -----	33	494	9	699

Table 22. **Miscellaneous Poultry—Inventory and Sales: 1987 and 1982—Con.**

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

Geographic area	Inventory		Sales		
	Farms	Number	Farms	Number	
<b>PIGEONS OR SQUAB</b>					
<b>State Total</b>					
Massachusetts .....	1987	16	1 327	6	234
.....	1982	16	1 164	6	905
<b>Counties, 1987</b>					
Bristol .....		3	82	2	(D)
Middlesex .....		3	200	-	-
Worcester .....		5	603	3	(D)
All other counties .....		5	442	1	(D)
<b>PHEASANTS</b>					
<b>State Total</b>					
Massachusetts .....	1987	14	1 212	8	70 330
.....	1982	15	2 506	7	(D)

Table 23. **Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1987 and 1982**

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

Geographic area	Inventory		Sales		Sales (\$1,000)
	Farms	Number	Farms	Number	
<b>MULES, BURROS, AND DONKEYS</b>					
<b>State Total</b>					
Massachusetts .....	1987	83	166	10	14
.....	1982	25	51	2	(D)
<b>Counties, 1987</b>					
Berkshire .....		5	10	-	-
Bristol .....		16	25	1	(D)
Dukes .....		3	3	1	(D)
Essex .....		6	28	2	(D)
Hampden .....		3	3	-	-
Hampshire .....		11	21	3	17
Middlesex .....		12	24	-	(D)
Norfolk .....		5	7	-	-
Worcester .....		16	38	3	(D)
All other counties .....		6	7	-	-
<b>GOATS, TOTAL</b>					
<b>State Total</b>					
Massachusetts .....	1987	279	2 756	98	1 187
.....	1982	219	1 321	87	809
<b>Counties, 1987</b>					
Barnstable .....		11	98	5	48
Berkshire .....		17	104	3	18
Bristol .....		29	474	11	119
Essex .....		26	176	11	74
Franklin .....		34	337	11	112
Hampden .....		28	148	5	(D)
Hampshire .....		12	127	6	75
Middlesex .....		13	149	4	75
Plymouth .....		28	259	12	102
Worcester .....		69	799	26	479
All other counties .....		12	85	4	(D)

**Table 23. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1987 and 1982—Con.**

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

Geographic area	Inventory		Sales		Sales (\$1,000)	
	Farms	Number	Farms	Number		
<b>GOATS, EXCEPT ANGORA AND MILK</b>						
<b>State Total</b>						
Massachusetts .....	1987..	164	1 287	59	646	41
	1982..	64	(D)	16	(D)	(D)
<b>Counties, 1987</b>						
Berkshire .....		4	11	-	-	-
Bristol .....		24	387	11	119	5
Essex .....		17	64	6	29	2
Franklin .....		13	(D)	5	31	(D)
Hampden .....		17	81	4	(D)	1
Hampshire .....		9	(D)	3	19	1
Middlesex .....		8	19	-	-	-
Norfolk .....		6	53	2	(D)	(D)
Plymouth .....		20	151	7	80	8
Worcester .....		41	404	20	343	23
All other counties .....		5	18	1	(D)	(D)
<b>RABBITS AND THEIR PELTS</b>						
<b>State Total</b>						
Massachusetts .....	1987..	114	12 037	53	25 701	467
	1982..	97	13 081	65	33 623	281
<b>Counties, 1987</b>						
Berkshire .....		11	125	3	46	(Z)
Bristol .....		8	(D)	5	4 540	(D)
Essex .....		8	130	5	295	1
Franklin .....		14	312	10	968	8
Hampden .....		7	112	4	310	2
Hampshire .....		8	(D)	5	(D)	(D)
Middlesex .....		11	59	2	(D)	(D)
Plymouth .....		21	2 421	8	6 460	(D)
Worcester .....		21	831	11	1 989	8
All other counties .....		5	40	-	-	-
<b>OTHER LIVESTOCK AND LIVESTOCK PRODUCTS</b>						
<b>State Total</b>						
Massachusetts .....	1987..	20	(X)	16	(X)	(D)
	1982..	(NA)	(X)	(NA)	(X)	(D)
<b>Counties, 1987</b>						
Bristol .....		4	(X)	2	(X)	(D)
Essex .....		3	(X)	3	(X)	(D)
Middlesex .....		4	(X)	2	(X)	(D)
Worcester .....		5	(X)	4	(X)	(D)
All other counties .....		4	(X)	5	(X)	4

**Table 24. Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>CORN FOR GRAIN OR SEED (BUSHELS)</b>										
<b>State Total</b>										
Massachusetts .....	152	5 681	626 829	1	(D)	165	6 077	591 680	10	19
<b>Counties</b>										
Berkshire .....	18	836	85 677	-	-	18	1 042	97 120	-	-
Bristol .....	13	338	26 146	-	-	11	167	10 955	-	-
Essex .....	5	205	12 050	-	-	6	291	(D)	1	(D)
Franklin .....	24	1 012	124 736	-	-	26	1 122	112 725	4	4
Hampden .....	13	329	29 750	-	-	21	178	14 393	-	-
Hampshire .....	39	2 025	261 078	-	-	46	2 627	302 552	-	-
Middlesex .....	11	162	17 111	1	(D)	4	19	1 270	-	-
Worcester .....	24	593	55 306	-	-	18	387	28 225	-	-
All other counties .....	5	181	14 975	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 24. Grains—Corn, Sorghum, Wheat, and Other Small Grains: 1987 and 1982—Con.**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>WHEAT FOR GRAIN (BUSHELS)</b>										
<b>State Total</b>										
Massachusetts .....	7	143	6 056	-	-	7	33	1 276	1	(D)
<b>BUCKWHEAT (BUSHELS)</b>										
<b>State Total</b>										
Massachusetts .....	7	25	260	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
<b>OATS FOR GRAIN (BUSHELS)</b>										
<b>State Total</b>										
Massachusetts .....	16	157	8 175	-	-	33	(D)	26 675	-	-
<b>Counties</b>										
Berkshire .....	7	66	4 544	-	-	11	349	19 911	-	-
Franklin .....	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
All other counties .....	6	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
<b>RYE FOR GRAIN (BUSHELS)</b>										
<b>State Total</b>										
Massachusetts .....	17	342	13 876	-	-	39	798	23 101	-	-
<b>Counties</b>										
Franklin .....	3	28	970	-	-	10	62	1 900	-	-
Hampden .....	3	52	1 850	-	-	4	18	371	-	-
Hampshire .....	5	239	(D)	-	-	16	615	18 786	-	-
All other counties .....	6	23	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 25. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1987 and 1982**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>TOBACCO (POUNDS)</b>										
<b>State Total</b>										
Massachusetts .....	21	458	618 971	9	205	46	352	574 990	8	120
<b>Counties</b>										
Franklin .....	5	(D)	(D)	2	(D)	9	29	55 114	3	10
Hampden .....	5	217	(D)	5	137	6	119	144 050	4	(D)
Hampshire .....	11	(D)	310 761	2	(D)	31	204	375 826	1	(D)
<b>IRISH POTATOES (CWT)</b>										
<b>State Total</b>										
Massachusetts .....	93	2 628	615 427	15	150	136	3 759	732 649	29	336
<b>Counties</b>										
Berkshire .....	4	(D)	(D)	-	-	7	(D)	(D)	-	-
Bristol .....	7	(D)	(D)	2	(D)	17	157	36 153	3	(D)
Dukes .....	4	4	299	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Essex .....	7	9	(D)	2	(D)	11	19	4 116	4	(D)
Franklin .....	23	744	158 131	4	(D)	20	772	172 594	2	(D)
Hampden .....	5	(D)	(D)	-	-	8	(D)	(D)	2	(D)
Hampshire .....	20	1 436	370 521	1	(D)	33	2 412	420 476	3	(D)
Middlesex .....	3	3	280	1	(D)	5	7	1 002	2	(D)
Norfolk .....	3	2	800	1	(D)	4	6	1 405	3	5
Plymouth .....	4	4	280	-	-	8	25	6 205	2	(D)
Worcester .....	9	13	1 095	1	(D)	17	46	7 117	6	13
All other counties .....	4	20	4 500	3	17	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 26. Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>FIELD SEED AND GRASS SEED CROPS</b>										
<b>State Total</b>										
Massachusetts .....	8	38	(X)	-	-	19	193	(X)	2	(D)
<b>RYEGRASS SEED (POUNDS)</b>										
<b>State Total</b>										
Massachusetts .....	5	12	11 800	-	-	16	170	25 995	1	(D)
<b>HAY—ALFALFA, OTHER TAME, SMALL GRAIN, WILD, GRASS SILAGE, GREEN CHOP, ETC. (SEE TEXT) (TONS, DRY)</b>										
<b>State Total</b>										
Massachusetts .....	2 874	121 498	250 559	24	339	2 663	116 729	241 584	13	178
<b>Counties</b>										
Berkshire .....	270	17 720	37 707	1	(D)	257	18 221	39 948	-	-
Bristol .....	273	8 089	14 968	2	(D)	251	7 390	15 160	3	14
Dukes .....	21	499	685	-	-	19	660	1 027	-	-
Essex .....	187	9 286	17 273	1	(D)	162	7 990	13 075	-	-
Franklin .....	393	15 587	34 501	-	-	359	14 719	31 464	-	-
Hampden .....	255	7 688	15 119	2	(D)	208	6 395	13 837	-	-
Hampshire .....	336	13 534	29 850	4	138	327	14 420	31 882	1	(D)
Middlesex .....	211	9 810	17 981	-	-	213	9 133	19 120	2	(D)
Norfolk .....	81	3 295	5 698	1	(D)	76	(D)	3 672	2	(D)
Plymouth .....	142	5 462	10 987	3	78	138	4 957	9 008	1	(D)
Worcester .....	697	30 440	65 586	8	46	640	29 888	62 785	4	123
All other counties .....	8	88	204	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>ALFALFA HAY (TONS, DRY)</b>										
<b>State Total</b>										
Massachusetts .....	1 136	32 202	81 376	10	94	980	28 693	74 412	1	(D)
<b>Counties</b>										
Berkshire .....	103	5 663	15 655	1	(D)	103	4 074	12 992	-	-
Bristol .....	127	2 402	5 557	2	(D)	98	2 187	5 508	-	-
Essex .....	63	1 419	3 040	-	-	50	1 296	2 686	-	-
Franklin .....	160	3 827	10 327	-	-	125	3 721	9 301	-	-
Hampden .....	83	1 516	4 149	1	(D)	68	1 595	3 583	-	-
Hampshire .....	134	3 281	8 626	1	(D)	106	2 493	6 910	-	-
Middlesex .....	94	2 927	6 085	-	-	93	2 533	7 977	-	-
Norfolk .....	37	(D)	1 750	1	(D)	27	591	(D)	1	(D)
Plymouth .....	49	2 160	6 265	-	-	43	1 627	3 757	-	-
Worcester .....	275	7 807	19 397	4	(D)	254	8 237	19 922	-	-
All other counties .....	11	(D)	525	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
<b>SMALL GRAIN HAY (TONS, DRY)</b>										
<b>State Total</b>										
Massachusetts .....	209	3 755	5 936	1	(D)	95	798	1 127	1	(D)
<b>Counties</b>										
Berkshire .....	15	305	409	-	-	11	102	147	-	-
Bristol .....	25	364	777	1	(D)	6	56	61	-	-
Essex .....	7	135	235	-	-	6	120	142	-	-
Franklin .....	35	585	1 223	-	-	13	80	124	-	-
Hampden .....	21	326	386	-	-	6	30	46	-	-
Hampshire .....	21	258	313	-	-	10	69	72	-	-
Middlesex .....	9	261	288	-	-	9	68	75	1	(D)
Norfolk .....	8	86	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Plymouth .....	16	163	206	-	-	8	59	87	-	-
Worcester .....	49	1 244	1 966	-	-	21	183	317	-	-
All other counties .....	3	28	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)

Table 26. **Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982—Con.**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>TAME HAY OTHER THAN ALFALFA, SMALL GRAIN, AND WILD HAY (SEE TEXT) (TONS, DRY)</b>										
<b>State Total</b>										
Massachusetts .....	1 699	60 650	120 497	11	219	1 948	67 441	130 038	10	65
<b>Counties</b>										
Berkshire .....	153	7 767	15 625	-	-	178	10 451	19 028	-	-
Bristol .....	141	4 030	6 637	-	-	165	3 597	7 311	3	14
Dukes .....	11	188	212	-	-	10	(D)	(D)	-	-
Essex .....	125	5 674	9 630	-	-	118	4 979	7 886	-	-
Franklin .....	230	7 659	16 256	-	-	274	8 265	17 048	-	-
Hampden .....	150	4 206	8 011	1	(D)	157	4 281	9 385	-	-
Hampshire .....	216	7 700	17 418	3	(D)	256	9 753	20 221	1	(D)
Middlesex .....	132	4 606	8 451	-	-	149	5 357	9 105	1	(D)
Norfolk .....	45	1 805	2 942	-	-	59	1 664	2 222	1	(D)
Plymouth .....	78	2 232	3 429	3	78	96	2 482	4 249	1	(D)
Worcester .....	414	14 747	31 830	4	15	475	16 085	32 932	3	(D)
All other counties .....	4	36	56	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
<b>WILD HAY (TONS, DRY)</b>										
<b>State Total</b>										
Massachusetts .....	611	13 893	20 818	5	(D)	353	7 463	9 059	1	(D)
<b>Counties</b>										
Barnstable .....	3	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Berkshire .....	83	2 772	3 135	-	-	49	1 323	1 643	-	-
Bristol .....	54	1 103	1 667	-	-	41	962	1 346	-	-
Dukes .....	6	(D)	(D)	-	-	6	45	66	-	-
Essex .....	29	1 291	2 983	1	(D)	32	791	747	-	-
Franklin .....	81	1 410	2 162	-	-	40	482	574	-	-
Hampden .....	65	1 087	1 524	-	-	25	331	455	-	-
Hampshire .....	57	921	1 575	-	-	32	592	1 077	-	-
Middlesex .....	48	1 285	2 084	-	-	23	623	784	1	(D)
Norfolk .....	16	366	705	-	-	18	230	292	-	-
Plymouth .....	36	677	705	-	-	26	617	574	-	-
Worcester .....	133	2 920	4 215	3	(D)	58	1 461	1 550	-	-
<b>GRASS SILAGE, HAYLAGE, AND GREEN CHOP HAY (TONS, GREEN)</b>										
<b>State Total</b>										
Massachusetts .....	209	10 998	65 799	1	(D)	294	12 334	80 830	1	(D)
<b>Counties</b>										
Berkshire .....	23	1 213	8 654	-	-	34	2 271	18 417	-	-
Bristol .....	12	190	992	-	-	31	588	2 805	-	-
Essex .....	14	767	4 156	-	-	19	804	4 840	-	-
Franklin .....	40	2 106	13 604	-	-	50	2 171	13 249	-	-
Hampden .....	16	553	3 143	-	-	10	158	1 103	-	-
Hampshire .....	22	1 374	5 753	-	-	32	1 513	10 804	-	-
Middlesex .....	15	731	3 220	-	-	18	552	3 538	-	-
Plymouth .....	5	230	1 145	-	-	12	172	1 022	-	-
Worcester .....	57	3 722	24 533	-	-	85	3 922	24 178	1	(D)
All other counties .....	5	112	599	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>CORN FOR SILAGE OR GREEN CHOP (TONS, GREEN)</b>										
<b>State Total</b>										
Massachusetts .....	604	28 643	524 819	6	89	886	37 553	628 842	9	47
<b>Counties</b>										
Berkshire .....	64	4 131	74 464	1	(D)	84	4 922	84 582	-	-
Bristol .....	90	2 731	43 827	4	(D)	116	4 620	70 894	6	(D)
Essex .....	19	757	14 886	-	-	35	1 222	17 565	-	-
Franklin .....	100	3 923	80 669	-	-	141	4 883	98 292	-	-
Hampden .....	56	2 646	44 465	-	-	79	3 196	42 703	1	(D)
Hampshire .....	78	4 200	75 040	-	-	109	4 512	75 623	-	-
Middlesex .....	28	1 211	22 318	-	-	56	1 705	28 468	-	-
Plymouth .....	18	2 206	37 155	-	-	32	3 730	62 939	1	(D)
Worcester .....	144	6 623	128 685	-	-	215	8 431	143 019	1	(D)
All other counties .....	7	215	3 310	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 26. Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1987 and 1982—Con.**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>SORGHUM FOR SILAGE OR GREEN CHOP (TONS, GREEN)</b>										
<b>State Total</b>										
Massachusetts .....	5	224	948	-	-	20	(D)	1 972	-	-

**Table 27. Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>LAND USED FOR VEGETABLES (SEE TEXT)</b>								
<b>State Total</b>								
Massachusetts .....	1 008	16 100	312	4 628	1 011	14 937	287	4 301
<b>Counties</b>								
Barnstable .....	20	251	14	228	22	152	12	87
Berkshire .....	46	508	8	(D)	43	401	3	(D)
Bristol .....	138	2 551	45	823	156	2 635	41	726
Dukes .....	11	(D)	5	55	13	(D)	8	(D)
Essex .....	95	1 838	45	658	89	1 521	39	437
Franklin .....	99	1 383	23	441	90	1 035	13	267
Hampden .....	76	1 645	21	506	73	1 581	24	692
Hampshire .....	136	2 211	12	132	134	1 818	12	110
Middlesex .....	128	2 196	51	808	139	2 609	50	780
Nantucket .....	4	(D)	4	(D)	3	(D)	3	98
Norfolk .....	36	280	19	130	31	253	14	84
Plymouth .....	68	1 037	23	185	69	984	31	326
Worcester .....	151	1 994	42	497	148	1 736	37	556
<b>VEGETABLES HARVESTED (SEE TEXT)</b>								
<b>State Total</b>								
Massachusetts .....	1 008	16 325	312	4 750	1 011	15 307	287	4 508
<b>Counties</b>								
Barnstable .....	20	249	14	228	22	155	12	90
Berkshire .....	46	510	8	38	43	402	3	(D)
Bristol .....	138	2 560	45	821	156	2 674	41	725
Dukes .....	11	78	5	55	13	(D)	8	(D)
Essex .....	95	1 852	45	668	89	1 548	39	455
Franklin .....	99	1 403	23	446	90	1 044	13	267
Hampden .....	76	1 674	21	514	73	1 726	24	796
Hampshire .....	136	2 237	12	132	134	1 836	12	110
Middlesex .....	128	2 273	51	861	139	2 704	50	855
Nantucket .....	4	137	4	137	3	(D)	3	98
Norfolk .....	36	287	19	135	31	254	14	85
Plymouth .....	68	1 040	23	187	69	999	31	325
Worcester .....	151	2 026	42	528	148	1 754	37	564
<b>ASPARAGUS</b>								
<b>State Total</b>								
Massachusetts .....	53	130	12	18	50	90	9	6
<b>Counties</b>								
Barnstable .....	3	(Z)	2	(D)	(NA)	(NA)	(NA)	(NA)
Bristol .....	5	2	3	(D)	9	7	-	-
Franklin .....	13	39	2	(D)	3	(D)	-	-
Hampshire .....	21	81	1	(D)	16	63	4	2
Worcester .....	4	1	2	(D)	9	3	4	-
All other counties .....	7	6	2	(D)	(NA)	(NA)	(NA)	(NA)
<b>GREEN LIMA BEANS</b>								
<b>State Total</b>								
Massachusetts .....	4	1	1	(D)	(NA)	(NA)	(NA)	(NA)



Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>SNAP BEANS</b>								
<b>State Total</b>								
Massachusetts .....	202	394	78	124	258	482	100	154
<b>Counties</b>								
Barnstable .....	9	11	7	10	11	8	9	7
Berkshire .....	3	(D)	-	-	3	(D)	-	-
Bristol .....	26	61	8	9	31	107	7	16
Dukes .....	5	4	-	(D)	4	(D)	1	(D)
Essex .....	36	62	15	22	34	81	16	12
Franklin .....	3	(D)	-	-	7	8	2	(D)
Hampden .....	16	57	6	20	27	64	10	37
Hampshire .....	12	8	-	-	13	6	2	(D)
Middlesex .....	26	44	12	25	43	74	14	35
Norfolk .....	12	22	7	(D)	9	7	4	3
Plymouth .....	22	35	8	17	29	31	16	18
Worcester .....	32	39	13	14	45	53	17	20
<b>BEETS</b>								
<b>State Total</b>								
Massachusetts .....	65	56	34	39	95	100	41	59
<b>Counties</b>								
Barnstable .....	6	3	5	3	5	2	5	2
Bristol .....	8	3	2	(D)	9	20	-	-
Dukes .....	3	1	1	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	11	22	8	16	15	33	9	27
Hampshire .....	5	2	3	(D)	14	5	1	(D)
Middlesex .....	9	16	6	16	16	24	7	18
Norfolk .....	3	1	1	(D)	3	1	2	(D)
Plymouth .....	5	1	1	(D)	10	9	6	8
Worcester .....	11	4	4	1	17	7	7	2
All other counties .....	4	5	3	2	(NA)	(NA)	(NA)	(NA)
<b>BROCCOLI</b>								
<b>State Total</b>								
Massachusetts .....	73	85	35	44	89	74	41	40
<b>Counties</b>								
Berkshire .....	3	1	2	(D)	6	7	2	(D)
Bristol .....	6	4	2	(D)	4	(D)	-	-
Essex .....	5	1	4	1	5	2	2	(D)
Franklin .....	6	14	1	(D)	5	7	1	(D)
Hampden .....	7	19	3	6	7	14	3	(D)
Hampshire .....	4	(D)	1	(D)	8	3	1	(D)
Middlesex .....	9	14	3	8	19	20	6	9
Norfolk .....	7	5	5	3	5	2	4	2
Plymouth .....	4	(Z)	2	(D)	8	7	7	6
Worcester .....	17	11	7	7	14	7	8	6
All other counties .....	5	(D)	5	12	(NA)	(NA)	(NA)	(NA)
<b>BRUSSELS SPROUTS</b>								
<b>State Total</b>								
Massachusetts .....	3	1	3	1	15	6	10	4
<b>HEAD CABBAGE</b>								
<b>State Total</b>								
Massachusetts .....	143	540	51	239	188	774	62	283
<b>Counties</b>								
Bristol .....	32	175	13	65	29	207	11	75
Essex .....	19	52	11	30	18	43	11	35
Franklin .....	16	72	4	19	23	127	4	13
Hampden .....	15	118	4	(D)	23	145	8	80
Hampshire .....	28	72	4	7	25	108	2	(D)
Middlesex .....	9	15	5	8	25	77	6	27
Plymouth .....	3	(Z)	3	(Z)	8	14	4	(D)
Worcester .....	17	34	6	(D)	27	46	13	37
All other counties .....	4	1	1	(D)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>CANTALOUPS</b>								
<b>State Total</b>								
Massachusetts .....	58	68	27	40	90	84	27	31
<b>Counties</b>								
Bristol .....	3	(D)	2	(D)	13	10	2	(D)
Dukes .....	3	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	5	5	4	3	3	(D)	2	(D)
Franklin .....	7	18	2	(D)	9	9	2	(D)
Hampden .....	7	17	6	(D)	12	30	4	16
Middlesex .....	4	3	2	(D)	10	9	2	(D)
Norfolk .....	3	1	1	(D)	4	1	-	-
Plymouth .....	7	5	2	(D)	7	5	2	(D)
Worcester .....	13	9	5	4	19	14	8	2
All other counties .....	6	2	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>CARROTS</b>								
<b>State Total</b>								
Massachusetts .....	73	250	42	224	94	235	40	172
<b>Counties</b>								
Barnstable .....	5	3	5	3	(NA)	(NA)	(NA)	(NA)
Berkshire .....	5	2	3	1	4	(NA)	1	(D)
Bristol .....	5	(D)	1	(D)	6	2	-	-
Dukes .....	3	1	3	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	10	3	6	2	11	5	5	2
Franklin .....	3	66	2	(D)	4	(D)	2	(D)
Hampden .....	3	(D)	1	(D)	8	(D)	3	(D)
Hampshire .....	5	18	3	(D)	8	(D)	3	(D)
Middlesex .....	11	16	7	16	13	12	3	(D)
Plymouth .....	7	1	4	1	11	7	6	6
Worcester .....	12	5	3	3	22	31	12	(D)
All other counties .....	4	5	4	5	(NA)	(NA)	(NA)	(NA)
<b>CAULIFLOWER</b>								
<b>State Total</b>								
Massachusetts .....	54	57	15	14	90	163	31	93
<b>Counties</b>								
Berkshire .....	3	1	2	(D)	6	3	-	-
Essex .....	3	(D)	2	(D)	3	1	2	(D)
Franklin .....	10	17	1	(D)	15	26	5	20
Hampden .....	6	20	-	-	10	86	5	46
Hampshire .....	6	3	1	(D)	15	13	1	(D)
Middlesex .....	10	11	4	6	14	18	4	12
Norfolk .....	3	1	1	(D)	4	1	2	(D)
Worcester .....	9	5	2	(D)	13	6	7	4
All other counties .....	4	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)
<b>COLLARDS</b>								
<b>State Total</b>								
Massachusetts .....	6	36	4	29	15	29	5	12
<b>CUCUMBERS AND PICKLES</b>								
<b>State Total</b>								
Massachusetts .....	249	631	78	84	296	626	79	101
<b>Counties</b>								
Barnstable .....	8	6	5	4	4	(D)	3	(D)
Berkshire .....	8	10	-	-	4	1	-	-
Bristol .....	28	35	5	6	46	53	12	14
Dukes .....	3	1	1	(D)	3	(D)	-	-
Essex .....	27	24	11	6	32	24	12	13
Franklin .....	29	148	2	(D)	29	209	3	(D)
Hampden .....	19	40	6	16	18	24	7	13
Hampshire .....	47	287	6	(D)	47	238	3	(D)
Middlesex .....	20	22	11	8	37	18	8	5
Norfolk .....	10	6	7	3	8	4	5	3
Plymouth .....	14	17	9	9	21	15	11	9
Worcester .....	36	36	15	12	46	36	14	14

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>EGGPLANT</b>								
<b>State Total</b>								
Massachusetts .....	51	69	19	35	74	77	33	41
<b>Counties</b>								
Barnstable .....	3	1	1	(D)	(NA)	(NA)	(NA)	(NA)
Bristol .....	13	16	3	7	22	35	8	16
Essex .....	10	27	6	22	13	14	9	12
Hampden .....	3	6	1	(D)	(NA)	(NA)	(NA)	(NA)
Hampshire .....	5	7	1	4	3	3	2	(D)
Middlesex .....	7	8	4	3	15	14	4	(D)
Plymouth .....	3	2	-	-	3	(D)	3	(D)
Worcester .....	4	1	2	(D)	11	3	3	1
All other counties .....	3	3	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>ENDIVE</b>								
<b>State Total</b>								
Massachusetts .....	4	8	2	(D)	11	15	9	15
<b>ESCAROLE</b>								
<b>State Total</b>								
Massachusetts .....	4	9	4	9	12	31	7	26
<b>KALE</b>								
<b>State Total</b>								
Massachusetts .....	13	52	5	(D)	16	32	10	23
<b>Counties</b>								
Bristol .....	3	10	1	(D)	4	(D)	-	-
All other counties .....	10	42	4	28	(NA)	(NA)	(NA)	(NA)
<b>LETTUCE AND ROMAINE</b>								
<b>State Total</b>								
Massachusetts .....	91	323	55	236	122	317	64	253
<b>Counties</b>								
Barnstable .....	5	2	3	2	3	(D)	2	(D)
Berkshire .....	4	(D)	1	(D)	4	2	1	(D)
Bristol .....	13	55	3	(D)	30	69	6	32
Dukes .....	5	7	4	6	7	8	6	6
Essex .....	17	119	13	112	8	44	7	43
Hampden .....	3	50	1	(D)	8	84	5	80
Hampshire .....	6	13	2	(D)	8	10	2	(D)
Middlesex .....	11	23	6	22	18	53	11	46
Norfolk .....	5	2	4	2	(NA)	(NA)	(NA)	(NA)
Plymouth .....	6	4	6	3	7	8	7	8
Worcester .....	11	8	7	6	20	11	8	7
All other counties .....	5	(D)	5	35	(NA)	(NA)	(NA)	(NA)
<b>DRY ONIONS</b>								
<b>State Total</b>								
Massachusetts .....	33	53	11	11	43	118	5	16
<b>Counties</b>								
Bristol .....	3	(Z)	1	(D)	(NA)	(NA)	(NA)	(NA)
Dukes .....	3	1	1	(D)	(NA)	(NA)	(NA)	(NA)
Franklin .....	3	13	-	-	10	44	-	-
Hampshire .....	10	31	2	(D)	15	56	1	(D)
Worcester .....	4	1	1	(D)	8	1	1	(D)
All other counties .....	10	7	6	4	(NA)	(NA)	(NA)	(NA)
<b>GREEN ONIONS</b>								
<b>State Total</b>								
Massachusetts .....	16	10	7	4	22	53	8	4
<b>Counties</b>								
Barnstable .....	3	1	1	(D)	(NA)	(NA)	(NA)	(NA)
All other counties .....	13	9	6	(D)	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>PARSLEY</b>								
<b>State Total</b>								
Massachusetts .....	14	9	6	3	13	10	9	4
<b>Counties</b>								
Essex .....	5	5	3	(D)	5	6	4	3
All other counties .....	9	4	3	(D)	(NA)	(NA)	(NA)	(NA)
<b>GREEN PEAS, EXCLUDING GREEN COWPEAS</b>								
<b>State Total</b>								
Massachusetts .....	91	124	35	51	106	134	27	47
<b>Counties</b>								
Barnstable .....	7	10	4	8	4	5	1	(D)
Berkshire .....	4	4	-	-	(NA)	(NA)	(NA)	(NA)
Bristol .....	8	6	1	(D)	11	19	1	(D)
Dukes .....	4	1	1	(D)	3	(D)	1	(D)
Essex .....	9	16	5	6	12	22	3	7
Franklin .....	3	(D)	1	(D)	6	(D)	2	(D)
Hampden .....	8	14	2	2	6	2	1	(D)
Middlesex .....	10	11	5	9	13	16	3	2
Norfolk .....	6	5	3	3	(NA)	(NA)	(NA)	(NA)
Plymouth .....	12	15	5	9	17	19	3	(D)
Worcester .....	17	18	7	6	23	16	8	4
All other counties .....	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>HOT PEPPERS</b>								
<b>State Total</b>								
Massachusetts .....	36	64	19	22	38	75	10	11
<b>Counties</b>								
Bristol .....	10	35	2	(D)	20	60	2	(D)
Essex .....	5	1	3	(Z)	(NA)	(NA)	(NA)	(NA)
Hampshire .....	3	4	1	(D)	5	7	1	(D)
Middlesex .....	6	3	4	(D)	(NA)	(NA)	(NA)	(NA)
Plymouth .....	4	(D)	4	2	(NA)	(NA)	(NA)	(NA)
Worcester .....	4	5	4	5	5	1	2	(D)
All other counties .....	4	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>SWEET PEPPERS</b>								
<b>State Total</b>								
Massachusetts .....	251	611	108	275	233	493	84	219
<b>Counties</b>								
Barnstable .....	7	(D)	4	1	4	1	2	(D)
Bristol .....	62	201	23	105	50	189	15	69
Essex .....	25	41	16	34	16	33	10	22
Franklin .....	18	78	2	(D)	13	17	4	4
Hampden .....	19	55	8	36	27	92	13	58
Hampshire .....	31	129	3	(D)	23	49	2	(D)
Middlesex .....	25	38	18	36	36	42	11	18
Norfolk .....	10	5	6	3	6	5	5	4
Plymouth .....	11	5	7	9	6	24	8	11
Plymouth .....	12	20	7	9	22	38	13	31
Worcester .....	35	39	17	20	33	(NA)	(NA)	(NA)
All other counties .....	7	(D)	4	2	(NA)	(NA)	(NA)	(NA)
<b>PUMPKINS</b>								
<b>State Total</b>								
Massachusetts .....	319	1 096	61	205	257	622	45	91
<b>Counties</b>								
Berkshire .....	13	61	-	-	5	34	-	-
Bristol .....	46	156	11	37	39	105	4	5
Essex .....	32	121	8	22	29	63	5	7
Franklin .....	30	95	3	15	15	47	1	(D)
Hampden .....	25	96	3	19	18	40	-	-
Hampshire .....	29	91	1	(D)	20	40	2	(D)
Middlesex .....	62	221	12	38	52	153	7	18
Norfolk .....	9	35	5	10	10	29	7	16
Plymouth .....	16	31	2	(D)	15	29	5	6
Plymouth .....	49	163	11	37	45	69	10	27
Worcester .....	8	27	5	23	(NA)	(NA)	(NA)	(NA)

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>RADISHES</b>								
<b>State Total</b>								
Massachusetts .....	20	49	10	19	39	37	20	25
<b>Counties</b>								
Hampden .....	5	35	1	(D)	5	14	2	(D)
Hampshire .....	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Worcester .....	3	1	2	(D)	13	5	6	3
All other counties .....	9	(D)	6	12	(NA)	(NA)	(NA)	(NA)
<b>SPINACH</b>								
<b>State Total</b>								
Massachusetts .....	18	77	6	25	44	128	30	64
<b>Counties</b>								
Essex .....	3	(D)	2	(D)	9	47	8	17
Hampshire .....	4	(D)	-	-	3	(D)	-	-
Middlesex .....	3	(D)	2	(D)	10	39	8	36
Plymouth .....	4	1	-	-	(NA)	(NA)	(NA)	(NA)
All other counties .....	4	1	2	(D)	(NA)	(NA)	(NA)	(NA)
<b>SQUASH</b>								
<b>State Total</b>								
Massachusetts .....	440	1 995	124	500	445	2 132	99	395
<b>Counties</b>								
Barnstable .....	8	6	8	6	8	13	4	3
Berkshire .....	9	15	2	(D)	7	(D)	1	(D)
Bristol .....	83	624	27	293	85	730	20	182
Essex .....	37	188	16	33	38	74	13	18
Franklin .....	42	176	5	(D)	30	117	1	(D)
Hampden .....	30	137	4	4	32	103	10	47
Hampshire .....	61	341	6	8	62	424	1	(D)
Middlesex .....	59	243	19	34	67	369	13	34
Norfolk .....	12	29	6	17	11	13	5	5
Plymouth .....	34	136	10	46	35	119	12	53
Worcester .....	57	87	17	14	63	151	17	46
All other counties .....	8	14	4	13	(NA)	(NA)	(NA)	(NA)
<b>SWEET CORN</b>								
<b>State Total</b>								
Massachusetts .....	596	8 444	163	2 042	628	7 289	151	1 874
<b>Counties</b>								
Barnstable .....	10	157	9	156	11	86	7	48
Berkshire .....	40	339	3	(D)	35	285	3	(D)
Bristol .....	67	1 037	18	213	81	858	16	260
Dukes .....	5	(D)	3	(D)	5	36	4	28
Essex .....	52	958	21	270	53	886	11	132
Franklin .....	38	464	6	176	44	264	6	(D)
Hampden .....	45	725	9	83	47	707	12	211
Hampshire .....	73	944	6	59	71	602	6	(D)
Middlesex .....	80	1 453	35	543	99	1 566	33	459
Nantucket .....	3	(D)	3	48	3	55	3	(D)
Norfolk .....	21	130	7	66	19	165	5	35
Plymouth .....	48	721	14	68	46	621	18	144
Worcester .....	114	1 426	29	303	114	1 159	27	297
<b>TOMATOES</b>								
<b>State Total</b>								
Massachusetts .....	404	570	151	228	410	479	139	223
<b>Counties</b>								
Barnstable .....	15	13	10	8	9	5	6	(D)
Berkshire .....	11	11	4	3	7	5	1	(D)
Bristol .....	58	63	11	10	71	70	15	17
Dukes .....	4	(D)	3	4	7	19	5	10
Essex .....	48	60	24	33	46	64	21	38
Franklin .....	22	34	3	(D)	17	31	7	21
Hampden .....	34	68	7	23	40	78	16	34
Hampshire .....	39	72	4	2	34	25	5	5
Middlesex .....	53	67	26	36	64	66	22	28
Nantucket .....	3	(D)	3	(D)	3	6	3	6
Norfolk .....	19	34	12	19	14	21	7	13
Plymouth .....	31	32	13	15	33	30	12	17
Worcester .....	67	104	31	57	65	59	19	31

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Harvested		Irrigated		Harvested		Irrigated	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
<b>TURNIPS</b>								
<b>State Total</b>								
Massachusetts .....	21	57	4	(D)	24	47	3	(D)
<b>Counties</b>								
Bristol .....	12	37	1	(D)	14	38	1	(D)
All other counties .....	9	20	3	1	(NA)	(NA)	(NA)	(NA)
<b>MIXED VEGETABLES</b>								
<b>State Total</b>								
Massachusetts .....	49	273	16	69	75	310	24	81
<b>Counties</b>								
Bristol .....	4	7	-	-	5	14	4	13
Essex .....	7	60	4	16	10	33	3	4
Franklin .....	7	37	2	(D)	9	55	3	26
Hampden .....	5	29	2	(D)	3	(D)	1	(D)
Hampshire .....	8	79	1	(D)	7	94	1	(D)
Middlesex .....	3	(D)	2	(D)	11	25	5	10
Worcester .....	9	24	4	14	15	27	2	(D)
All other counties .....	6	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>WATERMELONS</b>								
<b>State Total</b>								
Massachusetts .....	13	8	7	4	23	41	7	8
<b>Counties</b>								
Middlesex .....	3	1	2	(D)	(NA)	(NA)	(NA)	(NA)
All other counties .....	10	7	5	(D)	(NA)	(NA)	(NA)	(NA)
<b>OTHER VEGETABLES</b>								
<b>State Total</b>								
Massachusetts .....	49	138	13	86	27	142	9	75
<b>Counties</b>								
Bristol .....	6	11	1	(D)	3	(D)	-	-
Dukes .....	3	2	1	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	5	4	1	(D)	(NA)	(NA)	(NA)	(NA)
Franklin .....	6	12	3	5	3	2	1	(D)
Hampden .....	4	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Hampshire .....	9	18	-	-	(NA)	(NA)	(NA)	(NA)
Middlesex .....	4	2	2	(D)	9	17	2	(D)
Norfolk .....	3	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)
Worcester .....	3	3	-	-	4	4	-	-
All other counties .....	6	47	3	38	(NA)	(NA)	(NA)	(NA)

**Table 28. Fruits and Nuts: 1987 and 1982**

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

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
<b>LAND IN ORCHARDS</b>									
<b>State Total</b>									
Massachusetts ----- 1987..	572	9 379	(X)	(X)	(X)	(X)	(X)	(X)	(X)
----- 1982..	489	9 332	(X)	(X)	(X)	(X)	(X)	(X)	(X)
<b>Counties, 1987</b>									
Barnstable .....	9	38	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Berkshire .....	27	250	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Bristol .....	53	422	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Dukes .....	7	80	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Essex .....	29	484	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Franklin .....	61	1 157	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Hampden .....	68	923	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Hampshire .....	44	943	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Middlesex .....	74	1 327	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Norfolk .....	20	158	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Plymouth .....	30	138	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Worcester .....	147	3 443	(X)	(X)	(X)	(X)	(X)	(X)	(X)
All other counties .....	3	17	(X)	(X)	(X)	(X)	(X)	(X)	(X)
<b>APPLES</b>									
<b>State Total</b>									
Massachusetts ----- 1987..	526	8 415	618 208	346	141 414	485	476 794	402	76 050 295
----- 1982..	452	8 457	585 533	326	159 560	388	425 973	312	92 049 245
<b>Counties, 1987</b>									
Barnstable .....	9	27	3 619	9	(D)	5	(D)	4	(D)
Berkshire .....	27	237	8 962	16	908	26	8 054	17	1 733 712
Bristol .....	44	234	15 657	25	3 632	43	12 025	37	991 108
Essex .....	26	443	38 484	23	13 125	25	25 359	24	2 612 336
Franklin .....	59	1 069	80 839	45	16 407	53	64 432	42	13 813 813
Hampden .....	63	824	66 330	48	14 268	57	52 062	43	7 472 283
Hampshire .....	38	823	61 292	22	8 418	36	52 874	26	7 990 775
Middlesex .....	74	1 254	86 606	45	29 282	68	57 324	64	8 801 648
Norfolk .....	20	144	11 723	9	3 466	18	8 257	14	1 246 319
Plymouth .....	26	120	6 094	21	2 149	24	3 945	20	924 680
Worcester .....	136	3 236	238 544	81	46 714	128	191 830	110	30 378 853
All other counties .....	4	5	58	2	(D)	2	(D)	1	(D)
<b>APRICOTS</b>									
<b>State Total</b>									
Massachusetts ----- 1987..	12	2	162	12	(D)	2	(D)	1	(D)
----- 1982..	13	2	70	11	(D)	2	(D)	-	-
<b>CHERRIES, TOTAL (SEE TEXT)</b>									
<b>State Total</b>									
Massachusetts ----- 1987..	48	28	1 540	32	726	32	814	13	(D)
----- 1982..	64	21	1 094	54	503	34	591	18	2 218
<b>Counties, 1987</b>									
Berkshire .....	4	1	(D)	2	(D)	3	(D)	-	-
Essex .....	3	(D)	(D)	2	(D)	2	(D)	-	-
Franklin .....	6	5	301	3	(D)	5	(D)	2	(D)
Hampden .....	10	10	477	9	236	4	241	2	(D)
Middlesex .....	8	1	27	8	21	4	6	2	(D)
Plymouth .....	3	(D)	(D)	-	-	3	(D)	-	-
Worcester .....	9	5	389	6	192	6	197	5	(D)
All other counties .....	5	1	37	2	(D)	5	28	2	(D)
<b>GRAPES (SEE TEXT) (FRESH WEIGHT)</b>									
<b>State Total</b>									
Massachusetts ----- 1987..	87	251	143 490	51	54 712	82	88 778	59	559 427
----- 1982..	112	177	94 444	80	42 574	94	51 870	59	173 248

**Table 28. Fruits and Nuts: 1987 and 1982—Con.**

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

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
<b>GRAPES (SEE TEXT) (FRESH WEIGHT)—Con.</b>									
<b>Counties, 1987</b>									
Barnstable .....	4	2	638	2	(D)	2	(D)	2	(D)
Bristol .....	15	118	84 392	8	(D)	14	(D)	13	260 220
Dukes .....	5	72	23 636	-	-	5	23 636	4	(D)
Essex .....	5	1	195	4	25	4	170	4	487
Franklin .....	8	8	4 044	7	192	8	3 852	3	(D)
Hampden .....	6	3	1 603	6	190	6	1 413	2	(D)
Hampshire .....	5	3	1 435	2	(D)	5	(D)	4	5 360
Middlesex .....	7	1	213	5	29	7	184	6	76
Plymouth .....	9	12	(D)	2	(D)	9	4 666	7	(D)
Worcester .....	18	17	7 490	11	2 872	17	4 618	11	3 987
All other counties .....	5	15	14 081	4	2 022	5	12 059	3	32 010
<b>NECTARINES</b>									
<b>State Total</b>									
Massachusetts ---- 1987 ..	10	9	339	7	75	7	264	6	(D)
1982 ..	10	3	182	7	47	5	135	4	(D)
<b>PEACHES</b>									
<b>State Total</b>									
Massachusetts ---- 1987 ..	186	484	42 358	140	9 019	163	33 339	130	1 796 785
1982 ..	204	447	35 880	141	11 672	159	24 208	122	1 444 290
<b>Counties, 1987</b>									
Barnstable .....	4	(D)	1 300	4	1 000	4	300	2	(D)
Bristol .....	22	55	4 537	14	846	20	3 691	19	241 793
Essex .....	15	23	2 595	13	591	15	2 004	12	68 544
Franklin .....	18	60	4 767	14	1 255	16	3 512	12	162 940
Hampden .....	29	67	6 050	26	1 877	22	4 173	17	253 765
Hampshire .....	15	70	4 357	12	1 262	14	3 095	10	109 900
Middlesex .....	21	40	4 570	14	946	17	3 624	14	72 902
Norfolk .....	8	10	908	6	168	5	740	2	(D)
Plymouth .....	6	3	162	1	(D)	5	(D)	4	4 530
Worcester .....	44	145	13 026	34	1 049	42	11 977	37	858 531
All other counties .....	4	(D)	86	2	(D)	3	(D)	1	(D)
<b>PEARS</b>									
<b>State Total</b>									
Massachusetts ---- 1987 ..	79	149	11 015	38	1 467	64	9 548	40	498 495
1982 ..	96	185	11 428	53	1 568	72	9 860	53	1 436 924
<b>Counties, 1987</b>									
Berkshire .....	7	8	393	5	(D)	6	(D)	2	(D)
Bristol .....	8	12	725	4	(D)	5	(D)	5	63 360
Essex .....	12	14	1 783	4	(D)	12	(D)	6	(D)
Franklin .....	4	(D)	(D)	2	(D)	3	(D)	3	(D)
Hampden .....	12	9	680	9	(D)	5	(D)	3	32 750
Hampshire .....	6	40	2 821	3	(D)	6	(D)	4	122 800
Middlesex .....	11	32	2 270	2	(D)	11	(D)	5	86 040
Worcester .....	14	31	2 116	6	214	13	1 902	12	129 605
All other counties .....	5	(D)	(D)	3	19	3	51	-	-
<b>PLUMS AND PRUNES (SEE TEXT) (FRESH WEIGHT)</b>									
<b>State Total</b>									
Massachusetts ---- 1987 ..	36	26	1 565	19	387	27	1 178	13	22 884
1982 ..	46	26	1 248	31	255	35	993	21	31 913
<b>Counties, 1987</b>									
Berkshire .....	5	2	(D)	2	(D)	4	(D)	2	(D)
Franklin .....	5	11	740	2	(D)	5	(D)	1	(D)
Hampden .....	6	5	360	5	(D)	2	(D)	1	(D)
Middlesex .....	8	1	65	5	56	5	9	2	(D)
Norfolk .....	3	1	48	3	6	3	42	-	-
Worcester .....	4	5	175	2	(D)	3	(D)	3	4 150
All other counties .....	5	1	(D)	-	-	5	32	4	354



Table 28. **Fruits and Nuts: 1987 and 1982—Con.**

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

Geographic area	Total			Trees or vines not of bearing age		Trees or vines of bearing age		Harvested	
	Farms	Acres	Trees or vines	Farms	Number	Farms	Number	Farms	Pounds
<b>OTHER FRUITS AND NUTS (SEE TEXT)</b>									
<b>State Total</b>									
Massachusetts ----- 1987--	9	10	652	6	(D)	4	(D)	-	-
----- 1982--	-	-	-	-	-	-	-	-	-

Table 29. **Berries Harvested for Sale: 1987 and 1982**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>BERRIES</b>										
<b>State Total</b>										
Massachusetts -----	890	13 385	(X)	646	12 499	833	11 449	(X)	526	10 632
<b>Counties</b>										
Barnstable -----	88	946	(X)	79	934	69	876	(X)	64	869
Berkshire -----	18	25	(X)	4	(D)	19	(D)	(X)	3	2
Bristol -----	60	422	(X)	37	391	67	341	(X)	34	298
Dukes -----	6	(D)	(X)	4	(D)	9	10	(X)	1	(D)
Essex -----	51	103	(X)	26	62	43	67	(X)	12	31
Franklin -----	31	265	(X)	7	39	35	244	(X)	7	61
Hampden -----	43	272	(X)	10	39	48	297	(X)	11	73
Hampshire -----	43	137	(X)	11	15	37	65	(X)	5	16
Middlesex -----	32	54	(X)	13	19	48	83	(X)	16	40
Nantucket -----	3	(D)	(X)	3	(D)	3	(D)	(X)	2	(D)
Norfolk -----	18	63	(X)	12	60	15	54	(X)	11	52
Plymouth -----	439	10 649	(X)	415	10 586	349	9 170	(X)	324	9 122
Worcester -----	58	169	(X)	25	67	90	215	(X)	36	65
<b>BLACKBERRIES (POUNDS)</b>										
<b>State Total</b>										
Massachusetts -----	11	7	6 107	1	(D)	13	4	3 465	3	(Z)
<b>TAME BLUEBERRIES (POUNDS)</b>										
<b>State Total</b>										
Massachusetts -----	159	370	477 264	41	91	122	274	404 013	25	80
<b>Counties</b>										
Barnstable -----	10	19	21 650	5	10	4	(D)	(D)	1	(D)
Berkshire -----	6	6	10 060	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Bristol -----	15	19	26 732	2	(D)	14	28	23 620	4	(D)
Essex -----	20	34	52 842	7	18	6	(D)	13 033	1	(D)
Franklin -----	9	31	14 850	1	(D)	16	17	22 476	2	(D)
Hampden -----	24	84	71 620	3	1	17	64	103 494	2	(D)
Hampshire -----	13	48	75 542	2	(D)	10	29	46 675	2	(D)
Middlesex -----	10	14	14 170	1	(D)	7	7	9 735	-	-
Plymouth -----	22	57	96 091	10	28	15	63	139 078	5	(D)
Worcester -----	24	46	54 716	6	(D)	27	36	23 367	7	5
All other counties -----	6	14	38 991	4	13	(NA)	(NA)	(NA)	(NA)	(NA)
<b>WILD BLUEBERRIES (POUNDS)</b>										
<b>State Total</b>										
Massachusetts -----	21	449	316 089	4	28	20	360	140 543	2	(D)
<b>Counties</b>										
Franklin -----	4	200	90 070	2	(D)	3	(D)	(D)	1	(D)
Hampden -----	5	122	87 150	-	-	6	(D)	55 000	-	-
Hampshire -----	3	(D)	(D)	-	-	(NA)	(NA)	(NA)	(NA)	(NA)
Worcester -----	5	45	14 073	1	(D)	6	56	17 444	1	(D)
All other counties -----	4	(D)	(D)	1	(D)	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 29. Berries Harvested for Sale: 1987 and 1982—Con.**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>CRANBERRIES (CWT)</b>										
<b>State Total</b>										
Massachusetts .....	498	12 091	1 433 505	498	12 091	394	10 222	1 194 692	394	10 222
<b>Counties</b>										
Barnstable .....	69	904	87 121	69	904	54	843	72 684	54	843
Bristol .....	29	366	34 261	29	(D)	23	246	35 405	23	246
Plymouth .....	395	10 516	1 284 883	395	10 516	311	9 069	1 084 689	311	9 069
All other counties .....	5	304	27 240	5	304	(NA)	(NA)	(NA)	(NA)	(NA)
<b>RASPBERRIES (POUNDS)</b>										
<b>State Total</b>										
Massachusetts .....	133	94	148 588	54	50	114	83	121 054	41	35
<b>Counties</b>										
Barnstable .....	4	2	(D)	1	(D)	6	(D)	1 655	3	(D)
Berkshire .....	3	1	1 132	-	-	7	3	4 200	1	(D)
Bristol .....	9	4	8 244	2	(D)	9	3	4 117	1	(D)
Dukes .....	4	(D)	(D)	2	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
Essex .....	22	(D)	27 972	13	12	15	13	15 786	4	8
Franklin .....	13	(D)	33 774	2	(D)	9	14	23 814	2	(D)
Hampden .....	8	(D)	7 825	3	(D)	8	(D)	13 186	3	(D)
Hampshire .....	9	7	4 180	1	(D)	4	2	992	1	(D)
Middlesex .....	15	(D)	10 740	8	(D)	13	18	30 953	7	(D)
Norfolk .....	5	(D)	3 633	3	1	4	2	3 500	4	(D)
Plymouth .....	14	7	8 745	6	(D)	11	4	6 425	3	(D)
Worcester .....	27	(D)	31 735	13	14	25	12	14 531	11	(D)
<b>STRAWBERRIES (POUNDS)</b>										
<b>State Total</b>										
Massachusetts .....	213	372	1 506 102	100	239	295	507	2 083 206	103	270
<b>Counties</b>										
Barnstable .....	7	21	49 435	4	(D)	11	23	74 970	10	23
Berkshire .....	14	18	82 390	4	(D)	15	12	21 815	3	(D)
Bristol .....	23	33	154 717	7	21	34	64	233 948	9	30
Essex .....	32	51	173 249	19	33	37	43	170 131	9	18
Franklin .....	10	22	67 883	3	(D)	17	43	241 120	5	28
Hampden .....	18	59	269 825	7	36	30	94	348 735	9	55
Hampshire .....	27	30	102 353	10	11	26	(D)	84 282	3	7
Middlesex .....	18	29	115 060	9	12	34	33	(D)	11	10
Norfolk .....	11	14	40 510	6	13	9	14	47 224	5	11
Plymouth .....	22	38	193 070	10	30	20	34	223 665	9	30
Worcester .....	28	52	226 110	18	40	57	110	520 723	29	54
All other counties .....	3	5	31 500	3	5	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982**

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

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)
<b>NURSERY AND GREENHOUSE CROPS (SEE TEXT)</b>								
<b>State Total</b>								
Massachusetts .....	824	10 066 833	3 208	80 867	716	8 261 749	2 605	46 465
<b>Counties</b>								
Barnstable .....	42	206 463	73	1 962	27	108 542	35	655
Berkshire .....	32	286 409	(D)	2 328	25	211 851	30	1 007
Bristol .....	86	1 204 181	239	12 135	87	763 213	255	6 065
Dukes .....	12	29 434	7	179	7	38 136	3	78
Essex .....	85	1 114 624	389	8 268	72	655 547	351	4 517
Franklin .....	54	284 578	525	3 427	42	114 411	249	1 334
Hampden .....	72	862 151	266	5 660	56	589 582	264	(D)
Hampshire .....	60	783 354	160	5 621	42	675 809	67	2 397
Middlesex .....	120	2 489 743	868	22 597	125	2 701 075	789	18 007
Nantucket .....	6	74 100	(D)	332	4	(D)	(D)	(D)
Norfolk .....	54	1 152 642	105	7 649	63	1 143 750	211	5 030
Plymouth .....	75	543 093	224	3 448	67	409 143	192	1 979
Suffolk .....	3	51 000	(D)	329	4	(D)	(D)	(D)
Worcester .....	123	985 061	303	6 932	95	781 290	148	2 845
<b>NURSERY, FLORICULTURE, VEGETABLE AND FLOWER SEED CROPS, SOD, ETC., GROWN IN THE OPEN, IRRIGATED (SEE TEXT)</b>								
<b>State Total</b>								
Massachusetts .....	192	(X)	1 098	(X)	142	(X)	762	(X)
<b>Counties</b>								
Barnstable .....	18	(X)	28	(X)	8	(X)	15	(X)
Berkshire .....	6	(X)	15	(X)	(NA)	(X)	(NA)	(X)
Bristol .....	23	(X)	146	(X)	22	(X)	146	(X)
Dukes .....	5	(X)	3	(X)	(NA)	(X)	(NA)	(X)
Essex .....	24	(X)	88	(X)	18	(X)	66	(X)
Franklin .....	13	(X)	352	(X)	6	(X)	(D)	(X)
Hampden .....	13	(X)	22	(X)	14	(X)	33	(X)
Hampshire .....	9	(X)	64	(X)	4	(X)	2	(X)
Middlesex .....	31	(X)	188	(X)	24	(X)	94	(X)
Nantucket .....	4	(X)	5	(X)	(NA)	(X)	(NA)	(X)
Norfolk .....	10	(X)	19	(X)	17	(X)	170	(X)
Plymouth .....	16	(X)	90	(X)	13	(X)	102	(X)
Worcester .....	20	(X)	80	(X)	11	(X)	12	(X)
<b>BEDDING PLANTS</b>								
<b>State Total</b>								
Massachusetts .....	445	4 015 097	207	19 451	397	2 886 604	138	10 965
<b>Counties</b>								
Barnstable .....	25	149 135	6	879	14	69 080	4	464
Berkshire .....	16	113 130	(D)	567	14	96 250	(D)	260
Bristol .....	32	348 640	4	1 231	40	368 923	(D)	975
Dukes .....	7	17 774	(D)	(D)	4	8 152	-	20
Essex .....	50	553 432	17	3 068	45	384 397	10	1 510
Franklin .....	32	170 805	(D)	1 632	23	66 461	(D)	911
Hampden .....	37	259 800	9	1 477	35	348 959	13	858
Hampshire .....	26	103 427	(D)	302	25	70 439	(D)	158
Middlesex .....	62	958 552	30	4 855	56	591 363	8	3 007
Norfolk .....	36	477 158	15	2 096	33	345 268	7	1 317
Plymouth .....	35	253 591	10	874	40	178 886	2	572
Worcester .....	80	522 607	12	2 045	64	329 326	(D)	827
All other counties .....	7	87 046	1	(D)	(NA)	(NA)	(NA)	(NA)
<b>BULBS</b>								
<b>State Total</b>								
Massachusetts .....	10	22 800	(D)	136	49	223 713	11	454

**Table 30. Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)
<b>CUT FLOWERS AND CUT FLORIST GREENS</b>								
<b>State Total</b>								
Massachusetts .....	128	1 436 611	129	10 290	123	1 594 606	75	6 995
<b>Counties</b>								
Barnstable .....	6	(D)	5	(D)	4	(D)	(D)	(D)
Berkshire .....	8	57 105	(D)	591	6	53 140	(D)	(D)
Bristol .....	9	29 100	34	316	12	48 500	15	236
Essex .....	12	30 666	19	111	10	18 100	(D)	113
Franklin .....	9	(D)	7	65	4	(D)	3	(D)
Hampden .....	10	66 050	7	447	6	38 500	(D)	148
Hampshire .....	10	(D)	9	(D)	8	(D)	(D)	(D)
Middlesex .....	26	526 972	20	4 035	33	589 713	10	3 473
Norfolk .....	5	(D)	(D)	103	11	141 596	5	310
Plymouth .....	11	31 096	8	121	11	47 793	(D)	124
Worcester .....	15	16 496	8	72	12	21 580	8	50
All other counties .....	7	60	8	49	(NA)	(NA)	(NA)	(NA)
<b>FOLIAGE AND POTTED FLOWERING PLANTS, TOTAL</b>								
<b>State Total</b>								
Massachusetts .....	267	3 672 082	125	24 786	239	3 060 730	169	15 083
<b>Counties</b>								
Barnstable .....	13	21 916	(D)	253	8	9 930	(D)	56
Berkshire .....	11	60 220	(D)	381	8	57 961	(D)	233
Bristol .....	29	462 385	(D)	5 039	16	215 500	24	2 560
Dukes .....	3	1 950	-	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	39	487 162	(D)	3 656	26	208 704	24	1 483
Franklin .....	7	(D)	(D)	(D)	13	26 200	7	101
Hampden .....	18	347 424	(D)	2 736	11	111 630	3	377
Hampshire .....	13	45 039	(D)	153	7	17 080	3	93
Middlesex .....	54	947 567	43	4 847	60	1 335 327	62	5 656
Norfolk .....	21	633 856	(D)	3 679	22	607 820	9	2 606
Plymouth .....	24	229 846	(D)	1 565	28	164 264	29	620
Worcester .....	32	365 329	(D)	1 925	34	282 314	3	1 202
All other counties .....	3	(D)	1	240	(NA)	(NA)	(NA)	(NA)
<b>FOLIAGE PLANTS</b>								
<b>State Total</b>								
Massachusetts .....	66	536 480	26	3 727	(NA)	(NA)	(NA)	(NA)
<b>Counties</b>								
Berkshire .....	4	6 250	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Bristol .....	8	70 500	(D)	635	(NA)	(NA)	(NA)	(NA)
Essex .....	4	34 500	(D)	55	(NA)	(NA)	(NA)	(NA)
Hampden .....	5	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Middlesex .....	15	95 910	(D)	1 224	(NA)	(NA)	(NA)	(NA)
Norfolk .....	7	153 900	(D)	772	(NA)	(NA)	(NA)	(NA)
Plymouth .....	8	33 603	(D)	137	(NA)	(NA)	(NA)	(NA)
Worcester .....	9	(D)	(D)	100	(NA)	(NA)	(NA)	(NA)
All other counties .....	6	8 633	1	158	(NA)	(NA)	(NA)	(NA)
<b>POTTED FLOWERING PLANTS</b>								
<b>State Total</b>								
Massachusetts .....	240	3 135 602	99	21 059	(NA)	(NA)	(NA)	(NA)
<b>Counties</b>								
Barnstable .....	11	13 383	3	(D)	(NA)	(NA)	(NA)	(NA)
Berkshire .....	8	53 970	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Bristol .....	25	391 885	13	4 404	(NA)	(NA)	(NA)	(NA)
Dukes .....	3	1 950	-	(D)	(NA)	(NA)	(NA)	(NA)
Essex .....	38	452 662	23	3 600	(NA)	(NA)	(NA)	(NA)
Franklin .....	7	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Hampden .....	15	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Hampshire .....	12	45 039	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Middlesex .....	44	851 657	(D)	3 623	(NA)	(NA)	(NA)	(NA)
Norfolk .....	20	479 956	(D)	2 907	(NA)	(NA)	(NA)	(NA)
Plymouth .....	24	196 243	8	1 428	(NA)	(NA)	(NA)	(NA)
Worcester .....	30	(D)	(D)	1 826	(NA)	(NA)	(NA)	(NA)
All other counties .....	3	29 125	1	240	(NA)	(NA)	(NA)	(NA)

Table 30. **Nursery and Greenhouse Crops, Mushrooms, and Sod Grown for Sale: 1987 and 1982—Con.**

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

Geographic area	1987				1982			
	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)	Farms	Sq. ft. under glass or other protection	Acres in the open	Sales (\$1,000)
<b>NURSERY CROPS</b>								
<b>State Total</b>								
Massachusetts .....	244	518 082	2 502	24 317	173	160 366	2 180	12 349
<b>Counties</b>								
Barnstable .....	15	(D)	58	802	10	(D)	26	103
Berkshire .....	10	(D)	(D)	204	6	(D)	18	38
Bristol .....	30	247 976	180	5 121	27	(D)	200	2 151
Essex .....	19	29 832	329	1 415	11	(D)	307	1 304
Franklin .....	19	2 100	216	971	9	(D)	144	277
Hampden .....	23	109 377	240	891	17	(D)	244	783
Hampshire .....	21	(D)	147	762	11	(D)	60	169
Middlesex .....	28	(D)	770	8 789	23	(D)	709	5 608
Norfolk .....	14	(D)	76	(D)	19	(D)	190	650
Plymouth .....	27	(D)	167	673	19	(D)	143	597
Worcester .....	33	58 316	278	2 840	16	(D)	134	595
All other counties .....	5	9 529	(D)	(D)	(NA)	(NA)	(NA)	(NA)
<b>VEGETABLE AND FLOWER SEEDS</b>								
<b>State Total</b>								
Massachusetts .....	23	51 686	3	84	16	42 700	(D)	150
<b>Counties</b>								
Bristol .....	5	(D)	(D)	42	(NA)	(NA)	(NA)	(NA)
Hampden .....	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Hampshire .....	3	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Middlesex .....	4	(D)	(D)	10	(NA)	(NA)	(NA)	(NA)
All other counties .....	8	11 450	1	16	(NA)	(NA)	(NA)	(NA)
<b>GREENHOUSE VEGETABLES</b>								
<b>State Total</b>								
Massachusetts .....	39	324 054	(X)	588	35	288 210	(X)	383
<b>Counties</b>								
Bristol .....	5	82 780	(X)	(D)	4	48 910	(X)	84
Hampden .....	4	(D)	(X)	(D)	3	(D)	(X)	(D)
Hampshire .....	4	31 744	(X)	28	(NA)	(NA)	(X)	(NA)
Middlesex .....	8	34 600	(X)	53	6	65 000	(X)	133
Norfolk .....	3	(D)	(X)	(D)	3	(D)	(X)	(D)
Worcester .....	6	20 312	(X)	(D)	10	100 520	(X)	90
All other counties .....	9	77 226	(X)	82	(NA)	(NA)	(X)	(NA)
<b>OTHER NURSERY AND GREENHOUSE CROPS</b>								
<b>State Total</b>								
Massachusetts .....	11	(D)	(D)	51	6	(D)	(D)	23

**Table 31. Other Crops: 1987 and 1982**

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

Geographic area	1987					1982				
	Harvested			Irrigated		Harvested			Irrigated	
	Farms	Acres	Quantity	Farms	Acres	Farms	Acres	Quantity	Farms	Acres
<b>HERBS (POUNDS)</b>										
<b>State Total</b>										
Massachusetts .....	12	33	20 360	6	(D)	7	12	13 300	3	8
<b>OTHER</b>										
<b>State Total</b>										
Massachusetts .....	23	105	(X)	2	(D)	15	39	(X)	-	-
<b>Counties</b>										
Essex .....	4	(D)	(X)	1	(D)	(NA)	(NA)	(X)	(NA)	(NA)
Hampshire .....	10	29	(X)	-	-	11	34	(X)	-	-
All other counties .....	9	(D)	(X)	1	(D)	(NA)	(NA)	(X)	(NA)	(NA)

**Table 32. Farms Operated by Black and Other Races by Value of Sales and Occupation: 1987 and 1982**

[For classification of social and ethnic groups, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Land in farms		Harvested cropland		Market value of agricultural products sold (\$1,000)	Farms by value of sales					
	Farms	Acres	Farms	Acres		Occupation farming			Occupation other than farming		
						Less than \$2,500	\$2,500 to \$9,999	\$10,000 or more	Less than \$2,500	\$2,500 to \$9,999	\$10,000 or more
<b>STATE TOTAL</b>											
Massachusetts .....	26	1 822	22	485	1 078	2	2	9	5	3	5
1987..											
1982..	25	(D)	22	303	275	3	2	7	4	6	3
<b>COUNTIES, 1987</b>											
Bristol .....	4	617	4	174	603	-	-	1	-	1	2
Plymouth .....	9	212	8	66	139	1	1	4	1	-	2
Worcester .....	7	484	4	55	31	-	-	2	3	2	-
All other counties .....	6	509	6	190	304	1	1	2	1	-	1

**Table 33. Farms Operated by Black and Other Races by Tenure: 1987 and 1982**

[For classification of social and ethnic groups, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	Full owners			Part owners			Tenants		
	Number	Land in farms	Harvested cropland	Number	Land in farms	Harvested cropland	Number	Land in farms	Harvested cropland
<b>STATE TOTAL</b>									
Massachusetts .....	19	1 059	142	4	258	180	3	505	163
1987..									
1982..	23	(D)	(D)	2	(D)	(D)	-	-	-
<b>COUNTIES, 1987</b>									
Plymouth .....	6	136	29	2	(D)	(D)	1	(D)	(D)
Worcester .....	7	484	55	-	-	-	-	-	-
All other counties .....	6	439	58	2	(D)	146	2	(D)	(D)

**Table 34. Operators by Selected Racial Groups: 1987 and 1982**

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

Geographic area	All farms		Farms with sales of \$10,000 or more <sup>1</sup>	
	Farms	Land in farms	Farms	Land in farms
<b>BLACK</b>				
<b>State Total</b>				
Massachusetts ----- 1987 ..	11	533	6	(D)
----- 1982 ..	17	836	5	333
<b>Counties, 1987</b>				
Plymouth .....	7	(D)	4	(D)
All other counties .....	4	(D)	2	(D)
<b>AMERICAN INDIAN</b>				
<b>State Total</b>				
Massachusetts ----- 1987 ..	1	(D)	1	(D)
----- 1982 ..	6	(D)	4	(D)
<b>ASIAN OR PACIFIC ISLANDER</b>				
<b>State Total</b>				
Massachusetts ----- 1987 ..	6	(D)	3	(D)
----- 1982 ..	2	(D)	1	(D)
<b>Counties, 1987</b>				
Worcester .....	3	(D)	-	-
All other counties .....	3	113	3	113
<b>OTHER RACES (SEE TEXT)</b>				
<b>State Total</b>				
Massachusetts ----- 1987 ..	8	990	4	712
----- 1982 ..	-	-	-	-
<b>Counties, 1987</b>				
Bristol .....	3	(D)	2	(D)
All other counties .....	5	(D)	2	(D)

<sup>1</sup>Data for 1982 exclude abnormal farms.

**Table 35. Operators of Spanish Origin: 1987 and 1982**

[For classification of Spanish origin, see text. For meaning of abbreviations and symbols, see introductory text]

Geographic area	All farms		Farms with sales of \$10,000 or more <sup>1</sup>	
	Farms	Land in farms	Farms	Land in farms
<b>STATE TOTAL</b>				
Massachusetts ----- 1987 ..	24	2 019	9	1 215
----- 1982 ..	13	1 428	8	900
<b>COUNTIES, 1987</b>				
Bristol .....	3	278	1	(D)
Essex .....	3	(D)	3	(D)
Hampshire .....	6	304	2	(D)
Plymouth .....	5	807	3	(D)
Worcester .....	3	161	-	-
All other counties .....	4	(D)	-	-

<sup>1</sup>Data for 1982 exclude abnormal farms.

**Table 36. Farms With Grazing Permits: 1987**

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

Geographic area	Land in farms		Farms by land in farms						Source of permits			
	Farms	Acres	Less than 100 acres	100 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 to 1,999 acres	2,000 acres or more	Forest service	Taylor grazing	Indian land	Other
<b>Massachusetts ----</b>	<b>7</b>	<b>928</b>	<b>3</b>	<b>2</b>	<b>2</b>	-	-	-	-	-	-	<b>7</b>
Berkshire .....	3	(D)	2	-	1	-	-	-	-	-	-	3
All other counties.....	4	(D)	1	2	1	-	-	-	-	-	-	4



# APPENDIX A.

## General Explanation

	Page
DATA COLLECTION .....	A-1
DATA PROCESSING .....	A-2
MAJOR DATA CHANGES .....	A-2
FOLLOW-ON SURVEYS, SPECIAL CENSUSES, AND RELATED PUBLICATIONS .....	A-2
DEFINITIONS AND EXPLANATIONS .....	A-3
FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS.....	A-9

### DATA COLLECTION

#### Method of Enumeration

All agriculture censuses beginning with the 1969 census primarily have used mailout/mailback data collection. Direct enumeration methods, however, continue to be used for the agriculture census in Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands.

#### Mail List

The mail list for the 1987 census was comprised of individuals, businesses, and organizations that could be readily identified as being associated with agriculture. The list was assembled from the records of the 1982 census, administrative records of the Internal Revenue Service (IRS), and the statistical records of the U.S. Department of Agriculture (USDA). In addition, lists of large or specialized operations, such as nurseries and greenhouses, specialty crop farms, poultry farms, fish farms, livestock farms, and cattle feedlot operations, were obtained from State and Federal agencies, trade associations, and similar organizations. Lists of companies having one or more establishments (or locations) producing agricultural products were obtained from the 1982 census and updated using the information from the Standard Statistical Establishment List maintained by the Census Bureau. Exhaustive record linkage, unduplication, and mathematical modeling yielded a final mail list of 4.1 million names and addresses that had a substantial probability of being a farm operation.

#### Report Forms

In 1987, three different report forms were used—a two-page, a four-page, and a six-page form to minimize the reporting burden, particularly for small farms and places less likely to be farms. The six-page sample form and the four-page nonsample form are the same, except sections 23 through 28 have been added to the sample form to obtain supplemental information from a sample of farms.

The information collected in these sections will give the Bureau of the Census a good basis for making estimates of these data for other farms included in the census. The two-page form does not have as many questions or as much detail as the four-page and six-page forms. The four-page form has 11 regional versions and the six-page form has 13 regional versions. Both forms have different crops prelisted. Appendix D contains copies of both the two-page and six-page forms.

The six-page form was mailed to 1,104,000 addressees on the mail list, including all those expected to be large (based on expected sales or acreage) or unique (farms operated by multiestablishment companies or nonprofit organizations), all those in Alaska and Hawaii, and a sample of other addressees. The two-page form was mailed to 906,000 addressees. These were expected to be small farms or less likely to be farms. The four-page form was mailed to the remaining 2,079,000 addressees. Further discussion of the criteria used to determine which form was mailed to an addressee is provided in the Census Sample Design section of appendix C.

#### Initial Mailing

The report forms were mailed in mid-December 1987 to the approximately 4,089,000 individuals, businesses, and organizations on the mail list. The mail packages included a report form, a cover letter with a description of the purposes and uses of the census on the reverse side, an information sheet containing instructions for completing the form, and a postage-paid return envelope. Additional special instructions were included with report forms sent to grazing associations; feedlot operations; institutional organizations; Indian reservations; firms with multiple farm or ranch operations; and producers of poultry under contract, bees and honey, fish, laboratory animals, and nursery and greenhouse crops.

To provide additional help to farmers in completing their reports, copies of an Agriculture Census Guide booklet were sent to vocational agriculture instructors, USDA county offices of the Agriculture Stabilization and Conservation Service, and the Cooperative Extension Service. The Guide contained descriptions and definitions of various items in more detail than the instructions included with each report form. Representatives of the above agencies graciously consented to assist farmers in completing their report forms.

## Followup Procedures

A thank you/reminder card was mailed to those on the mail list in mid-January 1988. Five followup letters, three of which were accompanied by a report form, were sent to nonrespondents at 4-week intervals starting in mid-February and continuing until early June 1988.

Telephone calls were made to all large farms who had not responded. In addition, telephone calls were made to a sample of other nonrespondents in counties that had a response rate of less than 75 percent. A nonresponse adjustment procedure was used to represent the final nonrespondent farms in the census results. A description of this procedure is included in the Census Estimation section of appendix C.

## DATA PROCESSING

Selected report forms were reviewed prior to keying the data. These included reports with attached correspondence and reports with remarks or no positive data on the front page.

The data from each report form were subjected to a detailed item-by-item computer edit. The edit performed comprehensive checks for consistency and reasonableness, corrected erroneous or inconsistent data, supplied missing data based on similar farms within the same county, and assigned farm classification codes necessary for tabulating the data. Substantial computer-generated changes to the data were clerically reviewed and verified.

In the computer edit, farms with sales, acreage, or commodities exceeding specified levels were tested for historical comparability. Key items, such as acreage and sales, were compared for substantial changes between 1982 and 1987. Sizeable historical differences were resolved or verified by telephone, if necessary. Respondents who reported sales or acreage above specified levels on non-sample forms were sent correspondence requesting the additional sample data. Prior to publication, tabulated totals were reviewed by statisticians to identify inconsistencies and potential coverage problems. Comparisons were made with previous census data, estimates published by the USDA, and other available data.

## MAJOR DATA CHANGES

Prior to each agriculture census, the Census Bureau reviews the content of the census forms to eliminate questions no longer needed and to identify new items necessary to meet user needs and to better describe the agricultural situation in our Nation. Data requests are solicited from farmers, farm organizations, land grant colleges and universities, State and federal agencies, and members of the Census Advisory Committee on Agricultural Statistics. Each agency and organization is asked to identify and justify its specific data needs. The following data inquiries were added to the 1987 report form:

- Income from farm-related sources
- Acres under the Conservation Reserve Program
- Payments received for participation in federal farm programs
- Grazing permits by source

Additional data on production expenses were added in 1987:

- Repair and maintenance expenses
- Cash rent
- Property taxes paid
- All other production expenses

The following separate data inquiries were eliminated from the 1987 form:

- Storage capacity for petroleum products
- Number of hired farm and ranch workers
- Value of agricultural products sold directly to individuals for human consumption
- Source of irrigation water
- Tons of commercially mixed feed
- Expenditures for coal, wood, and coke
- Selected machinery items: automobiles, corn heads for combines, and field forage harvesters
- Chinchillas
- Worms
- Tropical and baitfish

## FOLLOW-ON SURVEYS, SPECIAL CENSUSES, AND RELATED PUBLICATIONS

In addition to the 1987 Census of Agriculture for the 50 States, Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands, the census of agriculture program includes the 1988 Farm and Ranch Irrigation Survey, the 1988 Agricultural Economics and Land Ownership Survey, and the 1988 Census of Horticultural Specialties.

The 1988 Farm and Ranch Irrigation Survey provides data on water use by irrigated farms and ranches. Data include: the amount of water applied by crop, method of water distribution, source of water, and energy costs for pumping water. Data from this survey will be published as volume 3, part 1.

The 1988 Agricultural Economics and Land Ownership Survey provides detailed data on debts, expenses, taxes, credits, assets, land ownership, and farm and off-farm income for farm operators. Many of these items, as well as detailed data on landlord characteristics, are being collected from the landlords of the farms involved in the survey. Data from this survey will be published as volume 3, part 2.

The 1988 Census of Horticultural Specialties covers operations growing and selling \$2,000 or more of horticultural products such as greenhouse products, outdoor-grown floricultural products, nursery products, mushrooms, and sod. These data will be published as volume 4.

Additional publications of the 1987 Census of Agriculture data include the Agricultural Atlas of the United States (previously called the Graphic Summary), Coverage Evaluation, Ranking of States and Counties, and Government Payments and Market Value of Agricultural Products Sold.

The Agricultural Atlas of the United States 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, market value of products sold, crops harvested, livestock inventories, and other characteristics of farms. This report will be published as volume 2, part 1.

The Coverage Evaluation report provides estimates of the completeness of the 1987 Census of Agriculture for the United States, geographic regions, and selected States and groups of States. Estimates with their associated sample reliability are provided for farms not on the mail list, farms classified as nonfarms, duplicate farms, and non-farms classified as farms. This report will be published as volume 2, part 2.

The Ranking of States and Counties report ranks the leading States and counties for selected items in the 1987 census and provides comparative data from the 1982 census. This report will be published as volume 2, part 3.

A new publication on Government Payments and Market Value of Agricultural Products Sold presents 1987 data for the United States and each State. The U.S. table has a format similar to volume 1, U.S. table 52 and presents summary data by size of farm. This report will be published as volume 2, part 5.

## DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a more detailed description of the terms used in this publication than are available in the tables or on the report form. For an exact wording of the questions on the 1987 census report forms and the information sheet which accompanied these forms, see appendix D. Most definitions of terms are the same as those used in earlier censuses. The more important exceptions are also noted here.

**Farms or farms reporting**—The term "farms" or "farms reporting" in the presentation of data denotes the number of farms reporting the item. For example, if there are 3,710 farms in a State and 842 of them had 28,594 cattle and calves, the data for those farms reporting cattle and calves would appear as:

Cattle and calves- - - - -farms- -	842
number- -	28,594

**Land in farms**—The acreage designated in the tables as "land in farms" consists primarily of agricultural land used for crops, pasture, or grazing. It also includes woodland and wasteland not actually under cultivation or used for pasture or grazing, provided it was part of the farm operator's total operations. Large acreages of woodland or wasteland held for nonagricultural purposes were deleted from individual reports during the processing operations. Land in farms includes acres set aside under annual commodity acreage programs as well as acres in the Conservation Reserve Program for places meeting the farm definition.

Land in farms is an operating unit concept and includes land owned and operated as well as land rented from others. Land used rent free was to be reported as land rented from others. All grazing land, except land used under government permits on a per-head basis, was included as "land in farms" provided it was part of a farm or ranch. Land under the exclusive use of a grazing association was to be reported by the grazing association and included as land in farms. All land in Indian reservations used for growing crops or grazing livestock was to be included as land in farms. Land in reservations not reported by individual Indians or non-Indians was to be reported in the name of the cooperative group that used the land. In some instances, an entire Indian reservation was reported as one farm.

**Land area**—The approximate land area of counties and States represents the total land area as determined by records and calculations as of January 1, 1988. These data are updated periodically; however, the acreages shown for 1987 are essentially the same as for 1982. Any differences between the land area for 1987 and 1982 are due to annexations and other changes affecting county boundaries.

**Land in two or more counties**—With few exceptions, the land in each farm was tabulated as being in the operator's principal county. The principal county was defined as the one where the largest value of agricultural products was raised or produced. It was usually the county containing all or the largest proportion of the land in the farm or viewed by the respondent as his/her principal county. For a limited number of Midwest and Western States, this procedure has resulted in the allocation of more land in farms to a county than the total land area of the county. To minimize this distortion, separate reports were required for large farms identified from the 1982 census as having more than one farm unit. Other reports received showing land in more than one county were separated into two or more reports if the data would substantially affect the county totals.

**Value of land and buildings**—Respondents were asked to report their estimate of the current market value of land and buildings owned, rented or leased from others, and rented or leased to others. Market value refers to the value the land and buildings would sell for under current market conditions. If the value of land and buildings was not reported, it was estimated using the average value of land and buildings from a similar farm in the same geographic area.

**Harvested cropland**—This category includes land from which crops were harvested or hay was cut, and land in orchards, citrus groves, vineyards, nurseries, and greenhouses. Land from which two or more crops were harvested was counted only once, even though there was more than one use of the land.

**Cropland used only for pasture or grazing**—This category includes land used only for pasture or grazing that could have been used for crops without additional improvement. Included also was all cropland used for rotation pasture and land in government diversion programs that were pastured. However, cropland that was pastured before or after crops were harvested was to be included as harvested cropland rather than cropland for pasture or grazing.

**Other cropland**—This category includes cropland not harvested and not grazed which was used for cover crops, soil improvement crops, land on which all crops failed, cultivated summer fallow, idle cropland, and land planted in crops that were to be harvested after the census year.

**Total woodland**—This category includes natural or planted woodlots or timber tracts, cutover and deforested land with young growth which has or will have value for wood products, land planted for Christmas tree production, and woodland pastured. Land covered by sagebrush or mesquite was to be reported as other pastureland and rangeland or other land.

**Woodland pastured**—This category includes all woodland used for pasture or grazing during the census year. Woodland or forest land pastured under a per-head grazing permit was not counted as land in farms and therefore, was not included in woodland pastured.

**Cropland in annual commodity acreage adjustment programs**—This category includes land diverted or set aside under the provisions of the Federal Commodity Acreage Program. These data are for the acres of cropland taken out of production by growers of wheat, cotton, rice, corn, sorghum, barley, and oats, and devoted to conservation uses. Information was not obtained as to which crops would have been grown on the acres set aside.

**Cropland in the Conservation Reserve Program (CRP)**—This category includes acres of “highly erodible” cropland taken out of agricultural production and planted to protective cover crops or reforested. The CRP was established through the 1985 Food Security Act and provides for annual rental payments and shared costs of conservation practices through a 10-year contract with the USDA. Appendix B presents data on places with all their cropland enrolled in the Conservation Reserve Program and which were not counted as farms in the 1987 census.

**Irrigated land**—This category includes all land watered by any artificial or controlled means, such as sprinklers, furrows or ditches, and spreader dikes. Included are supplemental, partial, and preplant irrigation. Each acre was to be counted only once regardless of the number of times it was irrigated or harvested.

**Operator**—The term “operator” designates a person who operates a farm, either doing the work or making day-to-day decisions about such things as planting, harvesting, feeding, and marketing. The operator may be the owner, a member of the owner’s household, a hired manager, a tenant, a renter, or a sharecropper. If a person rents land to others or has land worked on shares by others, he/she is considered the operator only of the land which is retained for his/her own operation. For partnerships, only one partner is counted as the operator. If it is not clear which partner is in charge, then the senior or oldest active partner is considered the operator. For census purposes, the number of operators is the same as the number of farms. In some cases, the operator was not the individual named on the address label of the report form, but another family member, a partner, or a hired manager who was actually in charge of the farm operation.

**Operator characteristics**—All operators were asked to report place of residence, principal occupation, days of off-farm work, year in which his/her operation of the farm began, age, race, sex, and Spanish origin. If race, age, sex, and principal occupation were not reported, they were imputed based on information reported by farms with similar acreage, tenure, and value of sales. No imputations were made for nonresponse to place of residence, Spanish origin, off-farm work, or year began operation. Operators of Spanish origin were tabulated by reported race.

**Farm production expenses**—In 1987, additional specific expense items and a category for all other farm production expenses were added to the selected farm production expenses collected in 1982. Consequently, we are publishing total farm production expenses in 1987. The expenses are limited to those incurred in the operation of the farm business. Expenses include the share of the expenditures provided by landlords, contractors, and partners in the operation of the farm business. Property taxes paid by landlords are excluded. Expenditures for nonfarm activities; farm-related activities such as providing custom-work for others, the production and harvest of forest products, and recreational services; and household expenses are excluded. In 1987, as in other recent censuses, operators producing crops, livestock, or poultry under contract often were unable or unwilling to estimate the cost of production inputs furnished by the contractors. As a consequence, extensive estimation was required for contract producers.

**Commercial fertilizer**—The expense for commercial fertilizer is the amount spent on fertilizer during 1987

including the cost of custom application. The cost of custom application was excluded from the 1982 and 1978 data.

**Agricultural chemicals**—These expenses include the cost of all insecticides, herbicides, fungicides, and other pesticides, including the cost of custom application. Data exclude commercial fertilizer purchased. The cost of custom application was excluded from the 1982 and 1978 data. The cost of lime was excluded from the 1987 and 1982 data, but included in 1978.

**Customwork, machine hire, and rental of machinery and equipment**—These expenses include costs incurred for having customwork done on the place and for renting machines to perform agricultural operations. The cost of cotton ginning is excluded. The cost of labor involved in the customwork service is included in the customwork expense. The cost of custom application of fertilizer and chemicals was included in the 1982 and 1978 customwork data, but is included in expenditures for these items in 1987. The cost of hired labor for operating rented or hired machinery is included as a hired farm and ranch labor expense.

**Interest**—In 1987, separate data were collected for interest paid on debts secured by real estate and interest paid on debts not secured by real estate. In 1982, only total interest expenses were collected.

**Market value of agricultural products sold**—This category represents the gross market value before taxes and production expenses of all agricultural products sold or removed from the place in 1987 regardless of who received the payment. It includes sales by the operator as well as the value of any shares received by partners, landlords, contractors, or others associated with the operation. In addition, it includes receipts from placing commodities in the Commodity Credit Corporation (CCC) loan program in 1987. It does not include payments received for participation in federal farm programs nor does it include income from farm-related sources such as customwork and other agricultural services, or income from nonfarm sources.

The value of crops sold in 1987 does not necessarily represent the sales from crops harvested in 1987. Data may include sales from crops produced in earlier years and exclude some crops produced in 1987, but held in storage and not sold. For commodities, such as sugar beets and wool, sold through a co-op which made payments in several installments, respondents were requested to report the total value received in 1987.

The value of agricultural products sold was requested of all operators. If the operator failed to report this information, estimates were made based on the amount of crops harvested, livestock or poultry inventory or number sold. Extensive estimation was required for operators growing crops or livestock under contract.

Caution should be used when comparing sales in 1987 with sales reported in earlier censuses. Sales figures are expressed in current dollars and have not been adjusted for inflation or deflation.

**Government payments**—This category is limited to direct cash or generic commodity certificate (PIK) payments received by the farm operator in 1987. It includes deficiency and diversion payments; wool payments; payments from the Dairy Termination Program, the Conservation Reserve Program, other conservation programs, and all other federal farm programs under which payments were made directly to farm operators.

**Other farm-related income**—The 1987 report form included a new inquiry on income from farm-related sources. These data consist of gross income in 1987 before taxes and expenses from the sales of farm by-products and other sales and services closely related to the principal functions of the farm business. These data are for income producing activities that are primarily a by-product or supplemental to the farm operation. They exclude income from business activities that are separate from the farm business.

**Customwork and other agricultural services**—This income includes gross receipts received by farm operators for providing services for others such as planting, plowing, spraying, and harvesting. Income from customwork and other agricultural services is generally included in the agriculture census if it is closely related to the farming operation. However, it is excluded if it constitutes a separate business or is conducted from another location.

**Rental of farmland**—This income includes gross cash rent or share payments received from renting out farmland; payments received from the lease or sale of allotments for crops such as tobacco; and payments received for livestock pastured on a per-head, per-month, or per-pound basis. It excludes rental income from nonfarm property.

**Sales of forest products**—This income includes gross receipts from the sales of Christmas trees, standing timber, maple products, gum for naval stores, firewood, and other forest products from the farm business. It excludes income from nonfarm timber tracts and sawmill businesses.

**Other farm-related income sources**—This income includes gross receipts from hunting leases, fishing fees, camping, other recreational services, patronage dividends of cooperatives, sales of farm by-products, and other sales and services closely related to the farm business. It excludes income from nonfarm businesses.

**Commodity Credit Corporations loans**—This category includes loans for corn, wheat, soybeans, sorghum, barley, oats, cotton, peanuts, rye, rice, tobacco, and honey.

**Agricultural chemicals used, including fertilizer and lime**—For each type of agricultural chemical, the acres treated were to be reported only once even if the acres were fertilized or limed more than once. If multipurpose chemicals were used, the acres treated for each purpose were to be reported.

**Fish and other aquacultural products**—The raising of fish and other aquacultural products in captivity is included in the agriculture census. Production in salt water is considered not to be in captivity and is excluded from the census.

**Bees and honey**—Bee and honey production was enumerated and tabulated in the county in which the home farm was located even though hives are often moved from farm to farm over a wide geographic area.

**Citrus enumeration**—In the 1987 census, reports for selected citrus caretakers in Arizona, Florida, and Texas were obtained by direct enumeration. A citrus caretaker is an organization or person caring for or managing citrus groves for others. This special enumeration has been used in recent censuses because of the difficulty in identifying and enumerating absentee grove owners who often do not know the information that is needed to adequately complete the census report. Each citrus caretaker was enumerated as a farm operator and requested to complete one report form for all groves cared for and to furnish a list of grove owners' names, addresses, and acres of citrus. The names on the lists were matched to completed grove owners' report forms to eliminate duplication. The caretaker also was requested to inform the grove owner that he had already reported for the citrus under his care and that the grove owner was not to report the citrus again. In the 1987 census, 7 caretakers in Arizona reported 175 grove owners having 12,000 acres of citrus; the 65 caretakers in Florida reported 3,000 grove owners having 170,000 acres of citrus; and 20 caretakers in Texas reported 800 grove owners having 14,500 acres of citrus.

**Crop year or season covered**—Acres and quantity harvested are for the calendar year 1987 except for citrus fruits, avocados, olives; vegetables in Florida; sugarcane in Florida and Texas; and pineapples and coffee in Hawaii.

**Citrus fruits**—The data for Florida relate to the quantity harvested in the September 1986 through July 1987 harvest season, except limes that were harvested in the April 1987 through March 1988 harvest season. The data for Texas relate to the quantity harvested in the September 1986 through May 1987 harvest season. The data for States, other than Florida and Texas, relate to the quantity harvested in the 1986-87 harvest season.

**Avocados**—The data for California relate to the quantity harvested in the November 1986 through November 1987 harvest season and for Florida the April 1987 through March 1988 harvest season.

**Olives**—The data for California relate to the quantity harvested in the September 1986 through March 1987 harvest season.

**Vegetables**—The data for Florida relate to the crop harvested in the September 1986 through August 1987 harvest season.

**Sugarcane for sugar**—The data for Florida relate to the cuttings from November 1986 through April 1987, and for Texas the cuttings from October 1986 through April 1987.

**Pineapples**—The data for Hawaii relate to the quantity harvested in the year ending May 31, 1987.

**Coffee**—The data for Hawaii relate to the 1986-87 crop.

**Acres and quantity harvested**—Crops were reported in whole acres, except for the following crops which were reported in 10ths of acres: Irish potatoes, sweetpotatoes, tobacco, fruit and nut crops including land in orchards, berries, vegetables, and nursery and greenhouse crops; and in Hawaii, taro, ginger root, and lotus root. Totals for crops reported in 10ths of acres were rounded to whole acres at the aggregate level during the tabulation process.

If two or more crops were harvested from the same land during the year, the acres would be counted for each crop. Therefore, the total acres of all crops harvested generally exceeds the acres of cropland harvested. An exception to this procedure is hay crops. When more than one cutting of hay was taken from the same acres, the acres are counted only once but the quantity harvested includes all cuttings. However, hay cut for both dry hay and green chop or silage would be reported for each applicable crop. For interplanted crops or "skip-row" crops, acres were to be reported according to the portion of the field occupied by each crop.

If a crop was planted but not harvested, the acres were not to be reported as harvested. These acres were to be reported in the "land use" section under the appropriate cropland items—cropland used only for pasture or grazing, cropland used for cover crops, cropland on which all crops failed, or cropland idle.

Corn and sorghum hogged or grazed were to be reported as "cropland harvested" and not as "cropland used only for pasture or grazing." Crop residue left in fields and later hogged or grazed was not reported as cropland pasture.

Quantity harvested was not obtained for crops such as vegetables; nursery and greenhouse crops; corn cut for dry fodder, hogged or grazed; and sorghum, hogged or grazed.

Acres of land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees were to be reported as harvested cropland regardless of whether the crop was harvested or failed. However, abandoned orchards were to be reported as cropland idle, not as harvested cropland and the individual abandoned orchard crop acres were not to be reported.

**Land in orchards**—This category includes land in bearing and nonbearing fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land on which all fruit crops failed. Respondents were instructed not to report abandoned plantings and plantings of less than 20 total fruit, citrus, or nut trees, or grapevines.

**Crop units of measure**—The regional report forms allowed the operator to report the quantity of field crops harvested in a unit of measure commonly used in the region. When the operator reported in a unit of measure different than the unit of measure published, the quantity harvested was converted to the published unit of measure.

Grapes could be reported in dry weight or fresh weight; plums and prunes in fresh weight, or prunes in dry weight; and in Hawaii, coffee in pounds parchment or pounds cherry, and macadamia nuts in pounds husked, unshelled or pounds shelled. For other fruit and nut crops and citrus, the operator was given a choice of units of measure of pounds, tons, or boxes. The quantity harvested for these crops is published in pounds.

**Write-in crops**—To reduce the length of the report form, only the major crops for the region were prelisted. For other crops, the respondent was requested to look at a list of crops in each section and write in the crop name and its code. For crops that had no individual code listed on the report form, the respondent was to write in the crop name and code the crop into the appropriate "all other" category for that section. Write-in crops coded as "all other" were reviewed and assigned a specific code when possible. Crops not assigned a specific code were left in the appropriate "all other" category.

In some cases, the reviewers were unable to determine the specific crop reported by the respondent because of incomplete or generalized crop names. To ensure proper coding, most of these respondents were telephoned. Reports for those not telephoned were changed on the basis of other reports for the area.

**Misreported or miscoded crops**—In a few instances, tabulated data may be inaccurate because respondents misunderstood or misinterpreted questions on the report form. Data may have been reported on the wrong line or in the wrong section, or the wrong crop code may have been placed beside the name of a write-in crop. Some of these errors as well as some keying errors may not have been identified during processing and therefore, were not corrected. Reports with significant acres of unusual crops for the area were examined to minimize the possibility that they were in error.

## "See text" References

Items in the tables which carry the note "See text" are explained or defined in this section.

**Data are based on a sample of farms**—For 1987, 1982, and 1978, selected data were collected from only a sample of farms. These data are subject to sampling error. For 1987, the six-page sample form was mailed to all large and specialized farms (based on expected sales, acres, or standard industrial classification), all farms in Alaska and Hawaii, and approximately 17 percent of all other farms. Sample sections 23 through 28 of the 1987 census forms included inquiries on production expenses, commercial fertilizer and lime, chemicals, machinery and equipment, value of land and buildings, and income from farm-related sources. Estimates of the reliability of county totals for selected items are shown in table F of appendix C.

**Operators of Spanish origin**—No imputation was made for those not responding to the question on Spanish origin.

**Farms operated by Black and other races**—This category includes Blacks, American Indians, Asian and Pacific Islanders, and all other racial groups other than White.

**All other races**—This category is primarily limited to persons native to or of ancestry from Mexico, the Caribbean, and Central and South America.

**Total sales**—This item represents the gross market value of all agricultural products sold before taxes and expenses in the census year including livestock, poultry, and their products; and crops, including nursery crops and hay. Respondents were asked to include landlords' and contractors' shares. The value of commodities placed in CCC loans are included as sold. In 1987, all farms including abnormal farms were tabulated by size based on reported sales. In 1982 and 1978, abnormal farms were included in the total sales figure, but excluded from the detailed size breakdowns. Abnormal farms include institutional farms, experimental and research farms, and Indian reservations.

**Farms with sales of less than \$1,000**—This category includes all farms with actual sales of less than \$1,000, but having the production potential for sales of \$1,000 or more. These farms normally could be expected to sell \$1,000 or more of agricultural products.

**Net cash return from agricultural sales for the farm unit**—This category is derived by subtracting total operating expenditures from the gross market value of agricultural products sold. Depreciation and the change in inventory values are excluded from expenditures. Production expenditures may be understated on part owner and tenant farms because property taxes paid by landlords are excluded. Other landlord expenditures, such as insurance or rent paid, which are not readily known to renters may also be omitted or understated. Gross sales include sales by the operator as well as the share of sales received by

partners, landlords, and contractors. Consequently, the net cash return is that of the farm unit rather than the net farm income of the operator.

**Other livestock and livestock products**—This category includes all livestock and livestock products not listed separately.

**Value of livestock and poultry on farms**—Data for the value of livestock and poultry on farms were obtained by multiplying the inventory of each major age and sex group by State average prices. The State average prices for cattle, hogs, sheep, Angora goats, hens and pullets of laying age, and turkeys were obtained primarily from data published by the National Agricultural Statistics Service, USDA. Prices applied to other livestock and poultry were census-derived averages based primarily on reported value of sales in the census.

**Poultry hatched**—This category includes all poultry hatched on the place during the year and placed or sold. Incubator egg capacity on December 31, 1987, is tabulated under the column heading "Inventory" and the number of poultry hatched and placed or sold is under the heading "Sales."

**Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc.**—Data shown for hay represent all hay crops, including grass silage, haylage, and hay crops cut and fed green (green chop). In production data, dry tons represent dry tonnage for the various hay categories and dry weight equivalents for grass silage and hay cut and fed green. The conversion used was 3 tons of green weight to 1 ton of dry weight.

**Tame hay other than alfalfa, small grain, and wild hay**—Data shown represent dry tons of hay harvested from clover, lespedeza, timothy, Bermuda grass, Sudan grass, and other types of legume and tame grasses.

**Grapes**—Farm operators were given the option of reporting the quantity of grapes harvested in dry weight or fresh weight. For publication purposes, all quantities of grapes harvested have been converted to pounds of fresh weight. The conversion used was 4 pounds fresh weight to 1 pound dry weight.

**Plums and prunes**—Farm operators were given the option of reporting the quantity of plums and prunes harvested in dry weight or fresh weight. For publication purposes, all quantities of plums and prunes harvested have been converted to pounds of fresh weight. The conversion used was 3 pounds fresh weight to 1 pound dry weight.

**Cherries**—For 1987, cherries were reported as "sweet cherries," "tart cherries," or "cherries" depending on the regional form the respondent completed. On regional

forms for States where cherries are an important fruit crop, "sweet cherries" and "tart cherries" were listed separately. On the other regional forms, either "cherries" were listed or could be written in. For publication purposes, "cherries, total" could be shown along with the individual breakdown of "sweet cherries," "tart cherries," or "cherries, not specified." "Cherries, not specified" is used to account for cherries where the "sweet" and "tart" breakdown was not asked or where respondents wrote in "cherries" but did not specify or code the kind of cherry. All the individual cherry items may not be shown. Data for "sweet cherries," "tart cherries," and "cherries, not specified" are not available for 1982.

**Other fruits and nuts**—Data shown for other fruits and nuts relate to any fruits and nuts not having a specific code on the 1987 report form.

**Land used for vegetables**—Data are for the total land used for vegetable crops. The acres are reported only once, even though two or more harvests of a vegetable or more than one vegetable were harvested from the same acres.

**Vegetables harvested for sale**—The acres of vegetables harvested is the summation of the acres of individual vegetables harvested. All of the individual vegetable items may not be shown.

**Nursery and greenhouse crops grown for sale**—These data are a summation of the individual items reported. All of the individual items may not be shown.

**Nursery, floriculture, vegetable and flower seed crops, sod, etc., grown in the open, irrigated**—Data refer to farms reporting irrigated nursery, floriculture, vegetable and flower seeds, sod, bedding plants, etc., grown in the open.

**Other grains**—These data are for the total market value of other grains sold including dry edible beans, dry lima beans, buckwheat, dry southern peas (cowpeas), emmer and spelt, flaxseed, mixed grains, lentils, mustard seed, dry edible peas, popcorn, proso millet, rice, rye for grain, safflower, sunflower seed, triticale, and wild rice.

**Value of crop production**—This item represents the estimated value of all crops harvested during the 1987 crop year. Data for the value of crops harvested were obtained by multiplying the average estimated value per unit by the reported acres or quantity harvested. Generally, harvested units of production (pounds, bushels, bales, etc.) were multiplied by State estimates of prices per unit. If only acres harvested were reported, State estimates for value of production per acre were used. The State average production price and production value per acre used in these calculations were obtained usually from publications of the National Agricultural Statistics Service, USDA. When



USDA estimates were not available, Bureau of the Census statisticians made estimates using available sources such as data from adjacent States, respondent report forms, county extension agents, and other persons knowledgeable about specific crops.

## FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS

State tables 48 through 53 present detailed 1987 data for all farms classified by specified characteristics—tenure of operator, type of organization, age and principal occupation of operator, size of farm (acres), value of agricultural products sold, and standard industrial classification. Other tables include data classified by value of sales groups or other characteristics of the farm or the operator.

**Farms by value of agricultural products sold or value of sales**—In 1987, all farms were tabulated by size based on reported sales. In 1982 and earlier censuses, abnormal farms were not tabulated based on sales size. In the tables on market value of agricultural products sold, the sales of abnormal farms in 1982 and earlier censuses were included in the total sales figure, but excluded from the detailed size categories. Abnormal farms included institutional farms, experimental and research farms, and Indian reservations. The category “farms with sales of less than \$1,000” included all farms with actual sales of less than \$1,000 but having the production potential for sales of \$1,000 or more. These farms normally could be expected to sell \$1,000 or more of agricultural products.

The sales size categories used in this report are consistent with the standard business size categories issued by Office of Management and Budget (OMB) in 1982. In State table 52, data are presented for four sales size categories between \$10,000 and \$49,999. This provides users with bridge data under both the OMB and the 1978 census classifications. For the 1992 census, data will be presented only for the OMB sales size categories of \$10,000 to \$24,999 and \$25,000 to \$49,999.

**Abnormal farms**—This category includes institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, churches, schools, grazing associations, and government agencies. In 1987 and 1982, nongovernmental units such as church farms and Future Farmers of America camps were classified as abnormal farms only when 50 percent or more of their products produced and intended for human consumption were utilized by the organization.

**Farms by tenure of operator**—The classifications of tenure used in the 1987 census were:

**Full owners**, who operate only land they own.

**Part owners**, who operate land they own and also land they rent from others.

**Tenants**, who operate only land they rent from others or work on shares for others.

**Farms by type of organization**—All farms were classified by type of organization in the 1987 census. The classifications used were:

**Individual or family (sole proprietorship)**, excluding partnership and corporation.

**Partnership**, including family partnership.

**Corporation**, including family corporation.

**Other, cooperative, estate or trust, institutional, etc.**

Corporations were subclassified by two additional characteristics into:

1. Family held  
Other than family held
2. More than 10 stockholders  
10 or less stockholders

**Farms by age and principal occupation of operator**—Data on age and principal occupation were requested from all operators in 1987. The principal occupation classifications used were:

**Farming**—The operator spent 50 percent or more of his/her worktime in 1987 in farming or ranching.

**Other**—The operator spent more than 50 percent of his/her worktime in 1987 in occupations other than farming or ranching.

**Farms by size**—All farms were classified into selected size groups according to the total land area in the farm. The land area of a farm is an operating unit concept and includes land owned and operated as well as land rented from others. Land rented to or assigned to a tenant was considered the tenant's farm and not the owner's.

**Farms by standard industrial classification**—In 1987, all agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of activity using the standard industrial classification (SIC) system. These classifications, found in the 1987 SIC Manual<sup>1</sup>, are used to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

<sup>1</sup>Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-003-14-2.

An establishment primarily engaged in crop production (major group 01) or production of livestock and animal specialties (major group 02) is classified in the four-digit industry and three-digit industry group which accounts for 50 percent or more of the total value of sales of its agricultural products. If the total value of sales of agricultural products of an establishment is less than 50 percent from a single four-digit industry, but 50 percent or more from the products of two or more four-digit industries within the same three-digit industry group, the establishment is classified in the miscellaneous industry of that industry group. Otherwise, it is classified as a general crop farm in industry 0191 or a general livestock farm in industry 0291. Establishments that derive 50 percent or more of the value of sales from horticultural specialties of industry group 018 are classified in industry 0181 or 0182 according to their primary activity.

Characteristics of all farms by selected SIC groupings are shown in State tables 18 and 53. The SIC groupings shown in State table 53, together with the associated products (value of sales representing 50 percent or more of the value of agricultural products sold during the year) on which the classification is based, are as follows:

**Cash grains (011)**—Wheat, rice, corn, soybeans, barley, buckwheat, cowpeas, dry field and seed beans and peas, flaxseed, lentils, milo, mustard seed, oats, popcorn, rye, safflower, sorghum, sunflowers, and other small grains.

**Cotton (0131)**—Cotton and cottonseed.

**Tobacco (0132)**—Tobacco.

**Sugarcane, sugar beets, Irish potatoes, hay, peanuts, and other field crops (0133, 0134, 0139)**—Sugarcane, sugar beets, Irish potatoes, alfalfa, broomcorn, clover, grass seed, hay, hops, mint, peanuts, sweetpotatoes, timothy, and yams.

**Vegetables and melons (016)**—Vegetables and melons grown in the open.

**Fruits and tree nuts (017)**—Berries, grapes, tree nuts, citrus fruits, deciduous tree fruits, avocados, bananas, coffee, dates, figs, olives, pineapples, and tropical fruit.

**Horticultural specialties (018)**—Bedding plants, bulbs, florists' greens, flower and vegetable seeds, flowers, foliage, fruit stocks, nursery stock, ornamental plants, shrubberies, sod, mushrooms, and vegetables grown under cover.

**General farms, primarily crops (019)**—Crops, including horticultural specialties, but less than 50 percent of sales from any single three-digit industry group.

**Livestock, except dairy, poultry, and animal specialties (021)**—Cattle, calves, hogs, sheep, goats, goat's milk, mohair, and wool.

**Beef cattle, except feedlots (0212)**—Production or feeding of beef cattle, except feedlots.

**Dairy farms (024)**—Production of cows' milk and other dairy products and raising of dairy heifer replacements.

**Poultry and eggs (025)**—Chickens, chicken eggs, turkeys, ducks, geese, pheasants, pigeons, quail, and squab.

**Animal specialties (027)**—Fur-bearing animals, rabbits, horses, ponies, bees, fish in captivity except fish hatcheries, worms, and laboratory animals.

**General farms, primarily livestock and animal specialties (029)**—Livestock and animal specialties and their products, but less than 50 percent of sales from any single three-digit industry group.

The SIC manual was revised for 1987. Animal aquaculture (0273) was established as a new industry and horticultural specialties, not elsewhere classified (0189) was deleted.

# APPENDIX B.

## Places With All Cropland in the Conservation Reserve Program

The Food Security Act of 1985 established the Conservation Reserve Program (CRP). This program provides annual payments for highly erodible cropland enrolled in the program and meeting its conservation requirements. It also requires that the land be taken out of agricultural production for 10 years.

The 1987 Census of Agriculture includes Conservation Reserve acreage as land in farms on operations that meet the census farm definition. For census purposes, a farm is any place from which agricultural products of \$1,000 or more were produced and sold or normally would have been sold during the census year. Operations which placed all of their cropland in the CRP and did not otherwise meet the farm definition based upon sales, livestock inventories, planted crops, or other criteria for potential sales were not included as farms in the census tabulations.

The following table provides CRP data for places not meeting the census farm definition ("whole farm" CRP places). It also contains separate but corresponding CRP data for farms included in the census tabulations. In addition to State data, detailed county data are presented for counties with three or more "whole farm" CRP places reported. For counties with less than three "whole farm" CRP places reported, their data are combined and reported in "all other counties."

The data for "whole farm" CRP places are not complete for all counties. The census mail list was developed from sources which indicated the farm had agricultural production activity. It was not designed to cover all "whole farm" CRP places. Therefore, the data for these places are limited to what was reported in the census and have not been adjusted to account for nonresponse, incomplete coverage, and reporting errors.

### Land in Conservation Reserve Program: 1987

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

Geographic area	Agricultural places excluded by farm definition with acres in the CRP			Farms with acres in the CRP		
	Number	Land in places (acres)	Land in CRP (acres)	Number	Land in farms (acres)	Land in CRP (acres)
Massachusetts .....	8	572	393	19	4 853	677
Middlesex .....	3	283	133	2	420	50
All other counties .....	5	289	260	17	4 433	627



# APPENDIX C.

## Statistical Methodology

	Page
MAIL LIST MODEL .....	C-1
CENSUS SAMPLE DESIGN .....	C-1
CENSUS ESTIMATION .....	C-1
CENSUS SAMPLING ERROR .....	C-3
CENSUS NONSAMPLING ERROR .....	C-5
EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE .....	C-6

**TABLES:**

- A. PERCENT OF STATE TOTALS CONTRIBUTED BY  
WHOLE FARM NONRESPONSE ESTIMATION: 1987
- B. RELIABILITY ESTIMATES FOR NUMBER OF FARMS IN  
A COUNTY REPORTING A COMPLETE COUNT ITEM:  
1987
- C. RELIABILITY ESTIMATES FOR NUMBER OF FARMS IN  
A COUNTY REPORTING A SAMPLE ITEM: 1987
- D. RELIABILITY ESTIMATES OF STATE TOTALS: 1987
- E. RELIABILITY ESTIMATES OF PERCENT CHANGE IN  
STATE TOTALS: 1982 TO 1987
- F. RELIABILITY ESTIMATES OF COUNTY TOTALS: 1987
- G. NEW ENGLAND STATES COVERAGE EVALUATION  
ESTIMATES OF FARMS NOT ON THE MAIL LIST: 1987

### MAIL LIST MODEL

A statistical discriminant model was developed to predict the probability that a mail list addressee operated a farm. The model was used to identify the 4.1 million records from the preliminary census mail list of 6.0 million records that would receive a census of agriculture report form. Records from the 1982 census mail list were used to build the model. Record characteristics such as the source of the mail list record (see appendix A for a description of record sources), number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. The proportion of 1982 census farm records in each group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

Using these same group definitions, the 1987 census mail list records were separated into groups, each with an associated estimate of farm probability from the model. The 4.1 million mail list records in groups with the largest estimate of farm probability were selected to receive the census report form. A large percentage of the 1.9 million records that were dropped from the 6.0 million preliminary census mail list were nonfarm records from the previous census. This procedure was used to obtain a more complete census enumeration without excessive respondent burden and data collection cost.

### CENSUS SAMPLE DESIGN

Each of the 4.1 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample census form (a four-page form), the sample form (a six-page form), and the short form (a two-page form). Sections 1 through 22 of the sample form were identical to sections on the nonsample census form. However, the sample form contained additional sections on farm production expenditures, usage of fertilizers and insecticides, value of machinery and equipment, value of land and buildings, and farm-related income. The short form contained abbreviated versions of the sections on the nonsample census form. These three different forms were used to reduce the response burden of the census, while providing quality information on a large number of data items at the county level.

The sample form was mailed to all mail list records in Alaska and Hawaii and to a sample of records in other States identified when the mail list was constructed. Addresses were selected into the sample with certainty if they were expected to have large total values of agricultural products sold or large acreage, if they were firms with two or more farms, or if they had other special characteristics. When a nonsample large farm was identified during processing, a supplemental form that contained the additional data inquiries was mailed. All farms in counties with less than 100 farms in 1982 were included in the sample with certainty; counties containing 100 to 199 farms in 1982 were systematically sampled at a rate of 1 in 2; and counties containing 200 or more farms in 1982 were systematically sampled at a rate of 1 in 6. This differential sample scheme was used to provide reliable data for sections 23 through 28 of the report form for all counties.

To determine which mail list records would receive the short form, all mail list records not designated for the sample were sorted into model groups according to farm probability as specified by the mail list model. The 906,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than \$20,000 were designated to receive the short form. The remaining mail list records were selected to receive the nonsample census form.

### CENSUS ESTIMATION

The 1987 Census of Agriculture used two types of statistical estimation procedures. These estimation

procedures accounted both for nonresponse to the data collection and for the sample data collection. These procedures are used because some farm operators never respond to the census despite numerous attempts to contact them, and not all farm operators are requested to provide the sample data items.

### Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for the census farms among mail list nonrespondents that were not designated for telephone followup. A stratified systematic sample of eligible census nonrespondents were mailed a simplified report form. Five sample strata were defined based on form type, expected value of sales, and previous census status. The report form was designed to provide sufficient information to determine farm status. Additional mail and telephone contacts were made to survey nonrespondents to obtain sufficient response for survey estimates.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. A synthetic estimation procedure was used to estimate the number of census nonrespondents that operated farms for each county by stratum. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The procedure used for calculating the nonresponse weight assumed the eligible census respondents and the nonrespondent farm operations in a county had similar characteristics within each stratum. The noninteger nonresponse weight was the ratio of the sum of the estimated number of nonrespondent farms (using nonresponse survey results) and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the estimation of the final weight for the sample items. It was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items.

The procedure assumed that we obtain complete response from large and unique farm operations because these cases received intensive telephone followup during census processing. In situations where addressees could not be contacted by telephone or refused to cooperate, secondary sources such as Agricultural Stabilization and Conservation Service offices or county extension agents were asked to provide information as to whether or not the addressee had agricultural activities. Data from previous census reports for the specific addressee, in conjunction with other information, were used to complete the census report form.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentage of the census value contributed by nonresponse estimation as provided in this table indicates the potential for bias in published figures resulting from this procedure. The estimates provided in these tables do not reflect the effect of nonresponse to individual data items on respondents' census report forms. The effect of this item nonresponse is discussed further under Census Non-sampling Error.

Table A. **Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1987**

Item	Percent of total
Farms -----number--	17.4
Land in farms -----acres--	13.2
Value of land and buildings -----\$1,000--	12.8
Market value of agricultural products sold --\$1,000--	3.6
Harvested cropland -----acres--	11.1
Corn for grain or seed-----acres--	6.8
Wheat for grain-----acres--	12.7
Livestock and poultry inventory:	
Cattle and calves -----number--	8.5
Hogs and pigs-----number--	10.7
Hens and pullets of laying age -----number--	1.2

### Sample Estimation

All respondent sample records received a sample weight. The sample data estimates the actual figures that would have resulted from a complete census of the items in sections 23 through 28 of the report form. The estimates were obtained from an iterative ratio estimation procedure that resulted in the assignment of a weight to each record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing overall sample records in the county.

Each sample farm was assigned one sample weight to be used to produce estimates for all sample items. For example, if the weight given to a sample farm had the value 5, all sample data items reported by that farm would be multiplied by 5. The weight assigned a certainty farm was 1. The estimation procedure used to assign weights was performed for each county.

Within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1987 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The variable groups were as follows:

TVP	SIC	Acres
\$1 to \$999	01 All crops	0 to 69
\$1,000 to \$ 2,499	02 All live-stock	70 or more
\$2,500 to \$ 4,999		
\$5,000 to \$ 9,999		
\$10,000 to \$24,999		
\$25,000 to \$49,999		
\$50,000 to \$99,999		
\$100,000 or more		

The first step in the estimation procedure was to partition the sample records into 32 mutually exclusive initial post strata formed by combining the three variable groups. This produced a three dimensional array where the cells of the array corresponded to the initial post strata groups. Each sample farm record was assigned an initial weight equal to the ratio of the total farm count to the sample farm count, expanded for nonresponse estimation, for the cell containing the sample farm. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the cells of the array (prior to the repeated ratio estimation) to increase the reliability of the ratio estimation procedure. Any cell within the array that either contained less than 10 sample farms or had a ratio of total farms to sample farms that was more than 2 times the mail sample rate was collapsed with another cell (in the same variable) according to a specified collapsing pattern. New total farm counts and sample farm counts were computed for each of the collapsed cells (final post strata) and were used in the ratio estimation procedure to calculate final sample weights.

In the third step in the ratio estimation procedure, complete counts for the three variables (TVP, SIC, acreage) were used to compute the marginals of the array defined by the final post strata. Factors were then applied to expanded sample totals in each cell of the array to obtain agreement with the row marginal (TVP) complete counts. The sample totals then had factors applied to obtain agreement with the column marginal (SIC) complete counts. Lastly, the sample totals had factors applied to obtain agreement with the depth marginal (acreage) complete counts. This procedure that requires the row totals, then the column totals, and then the depth totals to agree with the complete counts for the rows, columns, and depths, respectively, is continued iteratively until the process converges (the marginal totals agree with the complete count totals).

The ratio of the adjusted total farm count to the sample farm count obtained from the second iteration of the estimation procedure was the noninteger final post stratum sample weight assigned to the sample farm records in that post stratum. The noninteger sample weight, the product of the noninteger final post stratum sample weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the

farms in a particular group was 7.2, then one-fifth of the sample farms in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

## CENSUS SAMPLING ERROR

Sampling error in the census data results from the nonresponse sample and the census sample data collection. Census items were classified as either complete count or sample data items. The complete count items were asked of all farm operators. The complete count data items included land in farms, harvested cropland, livestock inventory and sales, crop acreages, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics (sections 1 through 22 of the census report form). Variability in the complete count data items is considerably smaller than in the sample items as the variation is due only to the nonresponse sample estimation procedure. The sample items were asked of approximately 25 percent of the total census farm operators. The sample data items included farm production expenditures, fertilizer and chemical usage, farm machinery and equipment, value of land and buildings, and farm-related income (sections 23 through 28 of the census report form). Variability in the estimates of sample items is due both to the census sample selection and estimation procedure and the nonresponse sample estimation procedure.

The sample for the 1987 Census of Agriculture is one of a large number of possible samples of the same size that could have been selected using the same sample design. Estimates derived from the different samples would differ from each other. The difference between a sample estimate and the average of all possible sample estimates is called the sampling deviation. The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples, and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of estimate is defined as the standard error of the estimate divided by the value being estimated multiplied by 100. If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 67 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of all possible samples.
2. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.

The computations involved to define the above confidence statements are illustrated in the following example. Assume that the estimate of number of farms for the State is 94,382 and the relative standard error of the estimate (percent) is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error. Therefore, a 67-percent confidence interval is 94,288 to 94,476 (i.e., 94,382 plus or minus 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 2 out of 3 (67 percent) of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 90 percent confidence interval is 94,227 to 94,538 (i.e., 94,382 plus or minus 1.65 x 94).

Tables B and C provide the reliability estimates of the estimated number of farms in a county reporting complete count and sample items, respectively. Both tables show the percent relative standard errors for selected estimated number of farms in a county reporting an item. These are derived from a regression equation. The parameters of the regression equation were estimated using the estimated number of farms in a county reporting the complete count or sample item as the independent variable and the standard error of that estimate as the dependent variable for all counties in the State.

**Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item: 1987**

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	16.5
50	14.6
75	12.4
100	11.1
150	9.4
200	8.4
300	7.2
500	5.9
750	5.0
1,000	4.5
1,500	3.8
2,000	(NA)

Note: Complete count items are items in sections 1 to 22 of the report form.

To illustrate the use of these tables, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 12, is 89. Since hogs and pigs is a complete count data item, refer to table B and select the estimated relative standard error of the estimate from the row whose value is equal to or just less than the estimated number of farms, 89. For this example, the relative standard error of the estimate comes from the row for 75 farms reporting. For sample data items, follow the same procedure using table C. In counties that had less than 100 farms in the 1982 Census of Agriculture, table C does not apply because the farms in these

counties were sampled with certainty (1 in 1), and thus, the reliability estimates for the number of farms in these counties are smaller than for counties that were sampled at lower rates (1 in 2 or 1 in 6).

**Table C. Reliability Estimates for Number of Farms in a County Reporting a Sample Item: 1987**

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	89.9
50	60.4
75	48.1
100	41.1
150	33.0
200	28.3
300	22.9
500	17.6
750	14.4
1,000	12.5
1,500	10.2
2,000	(NA)

Note: Sample items are items in sections 23 to 28 of the report form.

Table D presents the relative standard error of selected State data items for all farms and for all farms with sales of \$10,000 or more. The percent relative standard error of the estimate for complete count data measures the variation associated with the sample-based adjustment for whole farm nonresponse. The percent relative standard error of the estimate for sample items measures both the sampling error due to the nonresponse sample estimation procedure and the census sample selection and estimation procedure. The reliability of State estimates may vary substantially from State to State. Generally, State estimates for a given data item are less reliable than the corresponding U.S. estimate.

Table E presents the standard error (not relative standard error) for percent change in State totals from 1982 to 1987. The general purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1987 and the 1982 estimate for that characteristic to the 1982 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the relative standard error for county totals for 10 major complete count items and 7 sample items. The relative standard error of the estimate (percent) for the same item differs among counties in a State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.



## CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected by the joint effects of the sampling errors described in the previous section and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form and instructions, and to minimize processing errors through the use of quality control, verification, and check measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error, classification error, and item imputation.

### Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the cost and availability of resources for this enumeration place restrictions on operationally feasible data collection methodologies. The past five agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

Historically, the census of agriculture has included approximately 90 percent of the farms in the United States and over 96 percent of the agricultural production. Complete enumeration of agricultural operations satisfying the farm definition of \$1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used by an operation, the number of operations in which an operator participates, the accuracy of data reporting, etc. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1987 Coverage Evaluation program will be published in volume 2, part 2.

The evaluation of coverage conducted in 1987 was designed to measure errors in the census mail list and in farm classification. Mail list error includes a measurement of farms not on the census mail list (undercount), and a measurement of farms enumerated more than once in the

census (overcount). Classification error includes a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference of undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

### Mail List Coverage

A major problem with the use of a mail list for the census of agriculture enumeration is the difficulties that are encountered in compiling a complete list. The percentage of farms on the census mail list varies considerably by State. Several reasons have contributed to farm operators' names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in agricultural related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list were small in both acres and sales of agricultural products.

The 1987 Census of Agriculture Coverage Evaluation used the area segment sample of the 1987 June Enumerative Survey (JES) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with the NASS to augment the JES data collection and receive survey data under the confidentiality protection afforded by Title 13, U.S. Code, from all residents of area sample segments with agricultural activity. These survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list coverage. Estimates of farms not on the census mail list used the capture-recapture dual frame estimator that will be described in the Coverage Evaluation report.

Table G provides coverage evaluation estimates of the number of farms not on the mail list and selected characteristics of those farms with their percent relative standard error. The table also provides an estimate of characteristics of farms not on the mail list as a percentage of total farms in the New England States. The estimate of total farms in the New England States is based on census farm count and the estimated number of farms not on the census mail list. This estimate of total farms in the New England States was not adjusted for classification and list duplication errors. Estimates of these errors will be made at the regional level and will be available in the Coverage Evaluation report. The table provides the standard error (not relative standard error) of this percent estimate.

### Respondent and Enumerator Error

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone

enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect enumeration of farms. This type of reporting error is measured by the Classification Error Study discussed later in this section. To reduce all types of reporting error, questions were phrased as clearly as possible based on tests of the census report form, and detailed instructions for completing the report form were provided to each addressee. In addition, each respondent's answers were checked for completeness and consistency.

### **Item Nonresponse**

Nonresponse to particular questions on the census report that we would logically or statistically expect to be present may create a type of nonsampling error in both complete count and sample data. When information reported for another farm with similar characteristics is used to edit or impute for item nonresponse, the data may be biased because the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. Any attempt to correct the data for nonresponse may not completely reflect this difference either at the element level (individual farm operation) or on the average.

### **Processing Error**

The many steps of processing of each census report form are sources for the introduction of nonsampling error. The processing of the census report forms includes clerical screening for farm activity, computerized check-in of report forms and followup of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

### **Classification Error**

An evaluation study of classification errors was conducted in the 1987 Census of Agriculture as part of the census coverage evaluation program. A sample of mail list respondents was selected, and these addresses reenumerated to determine whether they were a farm or non-farm. A farm status determination was made based on the evaluation questionnaire and compared with the status based on the data reported on the census form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. The classification error rate was higher for (1) livestock farms than crop farms, (2) farms with a small

number of acres than larger farms, or (3) tenant farms than full or part-owner farms. Results from the 1987 classification error study will be published in the Coverage Evaluation report.

## **EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE**

For the 1987 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. Computer edits also performed a series of complex, logical checks of consistency and completeness of item responses. They provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices. The computer records were sorted by reported State and county, where the county sequence was based on similar types of farms and agricultural practices.

Each execution of the computer edit consisted of records from only one State. For a given execution of the edit, the stored entries in the various matrices were retained in the computer only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses

of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that

the data were keyed correctly. Edit referrals were generated for about 30 percent of the reports included as farms, and they were also reviewed for keying accuracy and to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited. More extensive discussions of the edit and item imputation methodology with measures of the extent of imputation in the census estimates will be provided in a separate research report.

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Tables D through G follow.

**Table D. Reliability Estimates of State Totals: 1987**

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

Item	All farms		Farms with sales of \$10,000 or more	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
Farms.....number.....	6 216	.2	2 499	.3
Land in farms.....acres.....	615 185	.6	381 898	.6
Average size of farm.....acres.....	99	1.3	153	.8
Value of land and buildings <sup>1</sup> .....\$1,000.....	2 154 033	2.7	1 274 992	2.9
Average per farm.....dollars.....	346 530	1.8	512 045	2.2
Average per acre.....dollars.....	3 553	2.5	3 391	1.1
Estimated market value of all machinery and equipment <sup>1</sup> .....\$1,000.....	198 868	2.4	141 037	3.0
Average per farm.....dollars.....	32 039	2.2	56 687	3.0
Farms by size:				
1 to 9 acres.....farms.....	1 105	1.2	344	1.5
.....acres.....	4 911	1.5	1 412	2.0
10 to 49 acres.....farms.....	2 125	.9	672	1.3
.....acres.....	52 758	1.0	16 997	1.4
50 to 179 acres.....farms.....	2 016	.9	793	1.2
.....acres.....	194 391	.9	80 059	1.3
180 to 499 acres.....farms.....	813	1.4	557	1.4
.....acres.....	225 291	1.3	161 511	1.3
500 to 999 acres.....farms.....	126	2.9	103	2.6
.....acres.....	79 966	2.8	(D)	(D)
1,000 to 1,999 acres.....farms.....	26	-	25	(D)
.....acres.....	34 020	-	(D)	(D)
2,000 acres or more.....farms.....	5	-	5	-
.....acres.....	23 848	-	23 848	-
Total cropland.....farms.....	5 654	.3	2 386	.3
.....acres.....	272 588	.6	194 870	.7
Harvested cropland.....farms.....	5 084	.4	2 297	.4
.....acres.....	194 874	.6	148 595	.7
Acres harvested:				
1 to 9 acres.....farms.....	1 900	.9	644	1.1
.....acres.....	6 890	1.2	2 318	1.7
10 to 49 acres.....farms.....	2 128	.9	776	1.2
.....acres.....	47 642	1.0	19 108	1.3
50 to 99 acres.....farms.....	544	1.7	398	1.8
.....acres.....	36 429	1.7	27 369	1.8
100 to 199 acres.....farms.....	336	1.9	305	1.9
.....acres.....	44 773	1.8	41 200	1.8
200 to 499 acres.....farms.....	153	2.2	151	2.2
.....acres.....	42 463	2.0	(D)	(D)
500 to 999 acres.....farms.....	21	-	21	-
.....acres.....	(D)	(D)	(D)	(D)
1,000 acres or more.....farms.....	2	-	2	-
.....acres.....	(D)	(D)	(D)	(D)
Cropland used only for pasture or grazing.....farms.....	2 164	.8	711	1.2
.....acres.....	52 884	1.3	30 138	1.8
Other cropland.....farms.....	1 267	1.2	606	1.4
.....acres.....	24 830	1.6	16 137	1.7
Irrigated land.....farms.....	1 316	.8	962	.7
.....acres.....	20 158	.8	18 790	.7
Acres irrigated:				
1 to 9 acres.....farms.....	888	1.1	558	1.1
.....acres.....	2 540	1.6	1 817	1.7
10 to 49 acres.....farms.....	358	1.7	338	1.6
.....acres.....	7 675	1.5	7 270	1.3
50 to 99 acres.....farms.....	39	4.1	35	2.9
.....acres.....	2 727	4.2	2 487	3.7
100 to 199 acres.....farms.....	19	-	19	-
.....acres.....	2 489	-	2 489	-
200 to 499 acres.....farms.....	10	-	10	-
.....acres.....	(D)	(D)	(D)	(D)
500 to 999 acres.....farms.....	1	-	1	-
.....acres.....	(D)	(D)	(D)	(D)
1,000 acres or more.....farms.....	1	-	1	-
.....acres.....	(D)	(D)	(D)	(D)
Market value of agricultural products sold.....\$1,000.....	340 464	.2	330 696	.1
Average per farm.....dollars.....	54 772	.2	132 331	.3
Value of sales:				
Less than \$2,500.....farms.....	2 167	.9	-	-
.....\$1,000.....	1 896	1.3	-	-
\$2,500 to \$4,999.....farms.....	830	1.6	-	-
.....\$1,000.....	2 911	1.6	-	-
\$5,000 to \$9,999.....farms.....	720	1.7	-	-
.....\$1,000.....	4 961	1.7	-	-
\$10,000 to \$24,999.....farms.....	770	1.2	770	1.2
.....\$1,000.....	12 134	1.3	12 134	1.3
\$25,000 to \$49,999.....farms.....	494	1.8	494	1.8
.....\$1,000.....	17 396	1.8	17 396	1.8
\$50,000 to \$99,999.....farms.....	515	1.6	515	1.6
.....\$1,000.....	36 797	1.6	36 797	1.6
\$100,000 or more.....farms.....	720	-	720	-
.....\$1,000.....	264 369	-	264 369	-
Sales by commodity or commodity group:				
Crops, including nursery and greenhouse crops.....farms.....	3 820	.5	1 893	.5
.....\$1,000.....	215 855	.2	209 973	.2
Grains.....\$1,000.....	785	2.5	732	2.7
Corn for grain.....\$1,000.....	729	2.7	686	2.9
Wheat.....\$1,000.....	(D)	(D)	(D)	(D)
Soybeans.....\$1,000.....	-	-	-	-
Sorghum for grain.....\$1,000.....	-	-	-	-
Barley.....\$1,000.....	-	-	-	-
Oats.....\$1,000.....	(D)	(D)	(D)	(D)
Other grains.....\$1,000.....	39	2.1	(D)	(D)

See footnotes at end of table.

**Table D. Reliability Estimates of State Totals: 1987—Con.**

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

Item	All farms		Farms with sales of \$10,000 or more	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
<b>Sales by commodity or commodity group—Con.</b>				
<b>Crops, including nursery and greenhouse crops—Con.</b>				
Cotton and cottonseed .....	\$1,000 ..	-	-	-
Tobacco .....	\$1,000 ..	4 587	4 587	.5
Hay, silage, and field seeds .....	\$1,000 ..	7 803	5 523	2.2
Vegetables, sweet corn, and melons .....	\$1,000 ..	25 179	23 902	1.0
Fruits, nuts, and berries .....	\$1,000 ..	92 349	91 022	.4
Nursery and greenhouse crops .....	\$1,000 ..	80 867	79 988	(Z)
Other crops .....	\$1,000 ..	4 285	4 219	1.4
<b>Livestock, poultry, and their products .....</b>				
farms .....				
		2 932	1 117	.8
	\$1,000 ..	124 609	120 723	.4
Poultry and poultry products .....	\$1,000 ..	23 149	22 950	.6
Dairy products .....	\$1,000 ..	63 309	63 231	.6
Cattle and calves .....	\$1,000 ..	11 297	9 591	1.2
Hogs and pigs .....	\$1,000 ..	4 220	3 821	2.1
Sheep, lambs, and wool .....	\$1,000 ..	884	437	9.0
Other livestock and livestock products (see text) .....	\$1,000 ..	21 749	20 694	.7
<b>Farms by standard industrial classification:</b>				
<b>Cash grains (011) .....</b>				
farms .....				
		25	12	7.5
	acres ..	5 987	5 155	3.9
<b>Field crops, except cash grains (013) .....</b>				
farms .....				
		975	186	3.3
	acres ..	124 046	46 500	3.9
<b>Vegetables and melons (016) .....</b>				
farms .....				
		678	400	1.9
	acres ..	37 568	28 943	2.4
<b>Fruits and tree nuts (017) .....</b>				
farms .....				
		956	567	1.3
	acres ..	93 584	81 292	1.2
<b>Horticultural specialties (018) .....</b>				
farms .....				
		630	423	-
	acres ..	17 303	13 542	(Z)
<b>General farms, primarily crop (019) .....</b>				
farms .....				
		274	36	5.7
	acres ..	23 092	5 703	6.7
<b>Livestock, except dairy, poultry, and animal specialties (021) .....</b>				
farms .....				
		1 233	165	3.2
	acres ..	113 821	31 077	3.6
<b>Dairy farms (024) .....</b>				
farms .....				
		556	538	1.3
	acres ..	152 045	151 259	1.1
<b>Poultry and eggs (025) .....</b>				
farms .....				
		134	70	4.6
	acres ..	8 090	4 625	2.9
<b>Animal specialties (027) .....</b>				
farms .....				
		676	81	5.1
	acres ..	28 179	5 475	7.2
<b>General farms, primarily livestock and animal specialties (029) .....</b>				
farms .....				
		79	21	10.2
	acres ..	11 470	8 327	3.3
<b>Farms by type of organization:</b>				
<b>Individual or family (sole proprietorship) .....</b>				
farms .....				
		5 124	1 757	.5
	acres ..	431 487	226 640	1.0
<b>Partnership .....</b>				
farms .....				
		481	278	2.2
	acres ..	73 006	57 189	2.3
<b>Corporation .....</b>				
farms .....				
		544	429	1.2
	acres ..	86 535	80 126	.9
<b>Other—cooperative, estate or trust, institutional, etc. ....</b>				
farms .....				
		67	35	3.8
	acres ..	24 157	17 943	1.9
<b>Tenure of operator:</b>				
<b>Full owners .....</b>				
farms .....				
		4 313	1 420	.7
	acres ..	348 117	169 068	1.1
<b>Part owners .....</b>				
farms .....				
		1 449	823	1.0
	acres ..	231 033	184 590	1.0
<b>Tenants .....</b>				
farms .....				
		454	256	2.5
	acres ..	36 035	28 240	2.9
<b>Operators by principal occupation:</b>				
<b>Farming .....</b>				
farms .....				
		3 174	1 918	.5
	acres ..	416 937	329 538	.7
<b>Other .....</b>				
farms .....				
		3 042	581	1.5
	acres ..	198 248	52 360	2.8
<b>Operators by sex:</b>				
<b>Male .....</b>				
farms .....				
		5 415	2 317	.3
	acres ..	571 616	366 454	.6
<b>Female .....</b>				
farms .....				
		801	162	2.9
	acres ..	43 569	15 444	5.4
<b>Average age of operator .....</b>				
years .....				
		52.6	52.0	.6
<b>Cropland under federal acreage reduction programs:</b>				
<b>Annual commodity acreage adjustment programs .....</b>				
farms .....				
		23	20	3.5
	acres ..	829	797	2.5
<b>Conservation reserve program .....</b>				
farms .....				
		19	5	20.0
	acres ..	677	277	8.8
<b>Government payments:</b>				
<b>Amount received in cash .....</b>				
\$1,000 ..				
		1 967	1 848	1.5
<b>Value of certificates received .....</b>				
\$1,000 ..				
		246	218	1.8
<b>Net cash return from agricultural sales<sup>1</sup>:</b>				
<b>Net cash return from agricultural sales for the farm unit (see text) .....</b>				
farms .....				
		6 216	2 490	.8
	\$1,000 ..	84 172	99 131	2.0
	dollars ..	13 541	39 811	1.9
<b>Average per farm .....</b>				
farms .....				
		3 017	2 084	.9
	\$1,000 ..	106 761	104 955	1.6
<b>Farms with net losses .....</b>				
number ..				
		3 199	406	1.8
	\$1,000 ..	22 590	5 825	7.4
<b>Total farm production expenses<sup>1</sup> .....</b>				
farms .....				
		6 216	2 490	.8
	\$1,000 ..	251 496	226 609	.9
<b>Livestock and poultry purchased .....</b>				
farms .....				
		1 559	618	6.9
	\$1,000 ..	11 441	10 064	3.2
<b>Feed for livestock and poultry .....</b>				
farms .....				
		2 893	930	4.9
	\$1,000 ..	33 525	29 750	1.5
<b>Seeds, bulbs, plants, and trees .....</b>				
farms .....				
		2 429	1 475	3.0
	\$1,000 ..	6 227	5 999	1.9
<b>Commercial fertilizer .....</b>				
farms .....				
		3 858	2 047	2.2
	\$1,000 ..	8 953	8 165	2.3

See footnotes at end of table.

**Table D. Reliability Estimates of State Totals: 1987—Con.**

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

Item	All farms		Farms with sales of \$10,000 or more	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
<b>Total farm production expenses—Con.</b>				
Agricultural chemicals	farms... 3 027	2.7	1 898	2.4
	\$1,000... 7 319	3.7	6 990	3.8
Petroleum products	farms... 5 859	.9	2 429	1.0
	\$1,000... 12 042	1.7	10 406	1.8
Electricity	farms... 4 286	2.1	2 060	2.1
	\$1,000... 5 959	2.2	5 399	2.3
Hired farm labor	farms... 2 185	3.5	1 518	3.3
	\$1,000... 66 579	1.4	65 517	1.4
Contract labor	farms... 1 025	6.4	667	6.6
	\$1,000... 7 906	3.9	7 397	3.3
Repair and maintenance	farms... 5 222	1.5	2 262	1.7
	\$1,000... 16 873	2.5	13 712	2.6
Customwork, machine hire, and rental of machinery and equipment	farms... 1 276	5.5	694	5.9
	\$1,000... 3 570	2.9	3 282	2.8
Interest	farms... 1 981	4.0	1 206	4.0
	\$1,000... 13 788	2.9	12 029	2.7
Cash rent	farms... 1 092	5.7	747	5.4
	\$1,000... 3 848	7.2	3 400	7.1
Property taxes	farms... 5 817	.9	2 304	1.3
	\$1,000... 15 219	2.2	9 316	2.2
All other farm production expenses	farms... 5 700	1.1	2 489	.8
	\$1,000... 38 248	1.5	35 183	1.3
<b>Livestock and poultry:</b>				
Cattle and calves inventory	farms... 2 112	.8	834	1.0
	number... 83 065	.7	70 457	.7
Beef cows	farms... 1 124	1.4	259	2.5
	number... 9 692	2.5	4 169	4.0
Milk cows	farms... 838	1.3	593	1.3
	number... 36 913	.8	36 281	.7
Cattle and calves sold	farms... 1 725	1.0	804	1.1
	number... 39 668	.9	34 466	.9
Hogs and pigs inventory	farms... 498	2.2	168	3.2
	number... 25 816	2.8	21 817	3.0
Hogs and pigs sold	farms... 387	2.5	143	3.4
	number... 40 048	2.3	34 969	2.4
Sheep and lambs inventory	farms... 604	2.0	109	4.1
	number... 14 761	3.8	5 170	8.7
Sheep and lambs sold	farms... 493	2.3	94	4.6
	number... 11 548	4.9	5 172	10.1
Hens and pullets of laying age inventory	farms... 733	1.7	205	2.8
	number... 1 251 356	.5	1 235 594	.5
Broilers and other meat-type chickens sold	farms... 37	8.6	6	9.1
	(D) number... (D)	(D)	(D)	(D)
Horses and ponies inventory	farms... 1 608	1.1	282	2.3
	number... 11 944	1.8	2 387	5.1
<b>Selected crops harvested:</b>				
Corn for grain or seed	farms... 152	3.6	90	4.2
	acres... 5 681	2.4	5 189	2.6
	bushels... 626 829	2.2	585 966	2.3
Corn for silage or green chop	farms... 604	1.5	468	1.4
	acres... 28 643	.8	27 193	.8
	tons, green... 524 819	.7	501 419	.6
Irish potatoes	farms... 93	3.8	73	3.7
	acres... 2 628	2.5	2 588	2.6
	cwt... 615 427	1.6	609 350	1.7
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms... 2 874	.7	969	.9
	acres... 121 498	1.0	80 401	1.3
	tons, dry... 250 559	1.1	189 640	1.3
Vegetables harvested for sale (see text)	farms... 1 008	1.3	622	1.4
	acres... 16 325	1.4	15 064	1.4
Land in orchards	farms... 572	1.9	247	2.6
	acres... 9 379	2.0	7 886	2.3

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains.

**Table E. Reliability Estimates of Percent Change in State Totals: 1982 to 1987**

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

Item	All farms		Farms with sales of \$10,000 or more	
	Percent change	Standard error of estimate (percent)	Percent change	Standard error of estimate (percent)
Farms..... number..	15.1	.8	4.1	.5
Land in farms..... acres..	.4	.7	-2.9	.7
Value of land and buildings <sup>1</sup> : Average per farm..... dollars..	68.5	4.8	71.2	5.5
Total cropland..... farms..	14.4	.6	4.6	.5
Harvested cropland..... acres..	2.5	.7	-1.6	.7
..... farms..	10.3	.6	3.6	.6
..... acres..	-1.5	.7	-5.2	.7
Irrigated land..... farms..	31.6	1.3	36.6	1.2
..... acres..	16.3	1.0	14.4	.8
Market value of agricultural products sold..... farms..	15.1	.5	4.1	.5
..... \$1,000..	21.0	.3	21.9	.2
Crops, including nursery and greenhouse crops..... farms..	17.2	.8	18.8	.8
..... \$1,000..	54.8	.6	56.8	.4
Livestock, poultry, and their products..... farms..	1.0	.8	-13.6	.8
..... \$1,000..	-12.3	.4	-12.2	.3
Poultry and poultry products..... farms..	-2.0	2.1	24.4	3.7
..... \$1,000..	-9.1	.5	-8.8	.5
Selected farm production expenses <sup>1</sup> : Livestock and poultry purchased..... farms..	-4.7	6.6	-12.2	7.9
..... \$1,000..	-.2	6.9	-2.8	6.7
Feed for livestock and poultry..... farms..	-1.8	4.2	-23.2	4.7
..... \$1,000..	-29.0	2.4	-32.2	2.2
Seeds, bulbs, plants, and trees..... farms..	17.5	5.7	8.9	4.8
..... \$1,000..	3.9	3.4	4.0	3.5
Commercial fertilizer <sup>2</sup> ..... farms..	17.5	4.0	9.5	3.6
..... \$1,000..	25.1	3.7	26.2	3.8
Agricultural chemicals <sup>2</sup> ..... farms..	23.2	5.0	12.7	4.1
..... \$1,000..	49.8	7.5	52.3	7.5
Hired farm labor..... farms..	-9.4	4.3	-4.0	4.3
..... \$1,000..	54.4	2.8	58.1	2.8
Interest <sup>3</sup> ..... farms..	9.9	6.5	2.7	6.0
..... \$1,000..	36.0	7.6	33.5	7.7
Livestock and poultry inventory: Cattle and calves..... farms..	-8.6	.8	-22.4	.8
..... number..	-18.9	.6	-20.1	.6
Hogs and pigs..... farms..	-19.5	1.8	-22.9	2.5
..... number..	-34.8	1.8	-35.1	2.0
Hens and pullets of laying age..... farms..	1.7	1.8	5.7	3.0
..... number..	5.8	.5	7.3	.5
Selected crops harvested: Corn for grain or seed..... farms..	-7.9	3.4	-4.3	4.0
..... acres..	-6.5	2.2	-7.4	2.4
Sorghum for grain or seed..... farms..	-	-	-	-
..... acres..	(D)	(D)	(D)	(D)
Wheat for grain..... farms..	-	-	-	-
..... acres..	333.3	17.2	(D)	(D)
Soybeans for beans..... farms..	-100.0	-	-100.0	-
..... acres..	(D)	(D)	(D)	(D)
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)..... farms..	7.9	.8	-12.4	.8
..... acres..	4.1	1.1	-1.9	1.3
Vegetables harvested for sale (see text)..... farms..	-3	1.3	9.9	1.6
..... acres..	6.7	1.5	9.8	1.6
Land in orchards..... farms..	17.0	2.3	18.8	3.1
..... acres..	.5	2.1	-1.1	2.3

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Data for 1987 include cost of custom applications.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.

**Table F. Reliability Estimates of County Totals: 1987**

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

Geographic area	Farms		Land in farms		Average value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>		Harvested cropland		Irrigated land	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)
Barnstable.....	158	1.2	(D)	(D)	319 338	6.3	4 859	6.3	(D)	(D)	1 265	7.2
Berkshire.....	392	.7	70 792	1.9	386 964	10.8	12 021	8.3	22 280	1.9	82	10.0
Bristol.....	675	.7	42 562	2.4	267 392	8.5	18 156	7.5	14 554	3.0	1 699	4.0
Dukes.....	58	2.1	7 314	10.9	460 328	(Z)	950	(Z)	709	8.5	(D)	(D)
Essex.....	439	.8	30 940	3.3	462 670	5.8	14 510	17.5	12 714	4.0	878	2.9
Franklin.....	616	.6	82 864	1.5	244 320	5.6	16 357	6.5	23 715	1.4	941	2.4
Hampden.....	490	.7	46 747	2.1	283 605	7.2	14 418	9.3	14 014	1.8	801	2.1
Hampshire.....	624	.6	64 567	1.7	259 069	7.2	18 025	6.6	24 290	1.0	449	10.7
Middlesex.....	569	.7	38 709	2.1	313 826	12.3	19 546	5.0	15 064	3.2	1 253	4.3
Nantucket.....	12	-	819	-	(D)	(D)	464	(Z)	441	-	439	-
Norfolk.....	212	1.1	13 124	3.6	287 080	10.2	5 814	11.1	4 003	5.9	338	6.1
Plymouth.....	775	.6	77 140	1.2	397 271	7.7	36 757	4.3	19 360	1.7	11 028	.6
Suffolk.....	5	-	(D)	(D)	(D)	(D)	87	-	(D)	(D)	(D)	(D)
Worcester.....	1 191	.6	134 689	1.2	443 586	9.0	36 902	6.3	42 309	1.3	838	5.1

Geographic area	Cattle and calves inventory		Hogs and pigs inventory		Corn for grain or seed		Wheat for grain		Soybeans for beans		Market value of agricultural products sold	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Barnstable.....	(D)	(D)	17	40.3	-	-	-	-	-	-	6 800	2.2
Berkshire.....	11 715	1.4	199	11.0	836	5.0	(D)	(D)	-	-	17 564	.8
Bristol.....	8 154	2.6	5 017	6.8	338	13.6	-	-	-	-	29 971	.7
Dukes.....	177	15.0	41	15.0	(D)	(D)	-	-	-	-	(D)	(D)
Essex.....	3 372	4.3	561	11.5	205	33.6	(D)	(D)	-	-	17 034	.9
Franklin.....	13 444	1.6	556	11.9	1 012	2.2	-	-	-	-	24 575	.9
Hampden.....	5 582	2.4	248	12.9	329	9.3	-	-	-	-	19 056	.7
Hampshire.....	10 782	1.7	2 808	8.4	2 025	3.0	(D)	(D)	-	-	27 532	.6
Middlesex.....	4 351	4.5	5 080	2.1	162	26.9	-	-	-	-	49 860	.4
Nantucket.....	(D)	(D)	-	-	-	-	-	-	-	-	2 141	(Z)
Norfolk.....	1 496	8.9	787	15.0	(D)	(D)	-	-	-	-	13 240	.9
Plymouth.....	4 539	1.9	3 152	1.9	(D)	(D)	-	-	-	-	77 374	.3
Suffolk.....	-	-	-	-	-	-	-	-	-	-	(D)	(D)
Worcester.....	19 342	1.4	7 350	7.4	593	8.7	(D)	(D)	-	-	54 309	.5

Geographic area	Selected farm production expenses <sup>1</sup>									
	Livestock and poultry purchased		Commercial fertilizer		Hired farm labor		Petroleum products		Electricity for the farm business	
Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	
Barnstable.....	183	44.5	152	7.4	1 427	7.0	252	5.9	72	9.5
Berkshire.....	842	2.9	540	13.0	2 717	12.0	651	8.6	534	5.9
Bristol.....	1 411	20.4	641	5.8	4 629	7.5	1 186	7.7	511	5.1
Dukes.....	(D)	(D)	38	(Z)	120	(Z)	35	(Z)	26	(Z)
Essex.....	670	21.0	312	9.4	2 563	13.6	673	4.5	365	16.1
Franklin.....	390	9.1	1 044	5.9	3 283	6.6	974	9.7	509	3.8
Hampden.....	501	12.5	802	11.7	4 754	7.3	869	8.9	393	16.5
Hampshire.....	476	6.4	1 363	7.9	5 034	3.9	1 387	3.2	545	5.0
Middlesex.....	2 574	1.3	450	8.4	14 911	1.3	1 634	3.2	970	1.8
Nantucket.....	(D)	(D)	(D)	(D)	(D)	(D)	103	(Z)	(D)	(D)
Norfolk.....	1 050	9.2	156	32.0	3 028	.8	563	5.6	148	5.7
Plymouth.....	903	14.6	2 075	2.6	15 369	2.5	1 988	4.1	769	7.6
Suffolk.....	-	-	(D)	(D)	(D)	(D)	12	-	(D)	(D)
Worcester.....	2 423	10.0	1 293	5.0	8 190	4.5	1 716	3.7	1 087	4.2

<sup>1</sup>Data are based on a sample of farms.



**Table G. New England States Coverage Evaluation Estimates of Farms Not on the Mail List: 1987**

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	Not on mail list		Percent not on mail list	
	Total number	Relative standard error of estimate (percent)	Total percent	Standard error of percent
Farms ----- number..	7 767	11.5	23.6	2.7
Land in farms ----- acres..	533 303	17.4	11.2	1.9
Farms by size:				
Less than 50 acres ----- farms..	4 819	14.5	35.6	5.2
50 acres or more ----- farms..	2 948	11.9	15.2	1.8
Harvested cropland ----- farms..	7 767	11.5	26.9	3.1
----- acres..	150 362	28.2	9.9	2.8
Farms by value of sales:				
Less than \$10,000 ----- farms..	7 101	12.1	33.3	4.0
Less than \$2,500 ----- farms..	5 642	9.9	40.7	4.1
\$2,500 to \$9,999 ----- farms..	1 459	39.8	19.6	7.8
\$10,000 or more ----- farms..	666	13.9	5.7	.8
Market value of agricultural products sold ----- \$1,000..	25 984	24.9	1.6	.4
Farms by standard industrial classification:				
Crops (01) ----- farms..	3 237	20.6	21.9	4.5
Livestock (02) ----- farms..	4 530	10.6	24.9	2.7
Farms by tenure of operator:				
Full owners ----- farms..	6 643	12.4	28.9	3.6
Part owners ----- farms..	1 124	14.9	13.4	2.0
Tenants ----- farms..	-	-	-	-
Operators by principal occupation:				
Farming ----- farms..	1 532	13.1	10.2	1.3
Other ----- farms..	6 235	13.0	34.8	4.5
Average age of operator ----- years..	51.9	(Z)	(X)	(X)

Note 1: Farms classified as nonfarms, nonfarms classified as farms, and farms appearing more than once in the census are not accounted for in these estimates, but will be provided in the 1987 Coverage Evaluation publication. See appendix C for further explanation.

Note 2: Detail may not add to total due to rounding.

Note 3: New England States include Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.




# APPENDIX D. Report Form and Information Sheet

**DUE BY FEBRUARY 1, 1988**

OMB No. 0607-0534; Approval Expires September 30, 1989

FORM **87-A0201**  
(8-11-86)



**UNITED STATES  
CENSUS  
OF AGRICULTURE**

**NOTICE** — Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to your Census File Number (CFN)

**87-A0201**

Please complete this form and RETURN TO

**BUREAU OF THE CENSUS  
1201 East Tenth Street  
Jeffersonville, IN 47133**

**Note** — If your records are not available, reasonable estimates may be used. If you cannot file by February 1, a time extension request may be sent to the above address. Include your 12-character Census File Number (CFN) as shown in your address label in all correspondence to us.

If you received more than one report form, enter extra Census File Number(s) here and return extra copies with your completed report.

A											
A											

<b>CENSUS USE ONLY</b>	035	036	037	038
	039	040	041	042

*Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.*

**SECTION 1** **ACREAGE IN 1987** Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization for which you are reporting. Include ALL LAND, REGARDLESS OF LOCATION OR USE — cropland, pastureland, rangeland, woodland, idle land, house lots, etc.

*If the acres you operated in 1987 changed during the year, refer to the INFORMATION SHEET, section 1.*

None  Number of acres

1. All land owned . . . . . <input type="checkbox"/>	043
2. All land rented or leased FROM OTHERS, including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include leased Federal, State, and railroad land. (DO NOT include land used on a per-head basis under a grazing permit.) Also complete item 5 below. . . . . <input type="checkbox"/>	044
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased. Also complete item 6 below. <input type="checkbox"/>	045
4. Acres in "THIS PLACE" — ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented TO OTHERS (item 3), and enter the result in this space. →	048

*For this census report these are the acres in "THIS PLACE."*  
*If the entry is zero please refer to the INFORMATION SHEET, section 1.*

5. If you rented land FROM OTHERS (item 2), enter the following information for each landlord.

Name of landlord	Mailing address (Include ZIP Code)	Number of acres

*List additional landlords on a separate sheet of paper.*

**INSTRUCTIONS** — Please report your crops in the appropriate section. Use section 7 to report ONLY those CROPS NOT listed in sections 2 through 6 and section 8. DO NOT INCLUDE crops grown on land rented to others.

**SECTION 2** Were any of the following CROPS harvested from "THIS PLACE" in 1987?

s2		None <input type="checkbox"/>	Acres harvested	Quantity harvested	Acres irrigated
1. Corn (field) for grain or seed (Report quantity on a dry shelled-weight basis.) . . . . . <input type="checkbox"/>	067		068	069	
2. Corn (field) for silage or green chop . . . . . <input type="checkbox"/>	070		071	Bu.	072
3. Soybeans for beans . . . . . <input type="checkbox"/>	088		089	Bu.	090
4. Beans, dry edible . . . . . <input type="checkbox"/>	554		555	Cwt.	558
5. Wheat for grain . . . . . <input type="checkbox"/>	073		074	Bu.	076
6. Oats for grain . . . . . <input type="checkbox"/>	076		077	Bu.	078
7. Barley for grain . . . . . <input type="checkbox"/>	079		080	Bu.	081
8. Rye for grain . . . . . <input type="checkbox"/>	886		887	Bu.	888
9. Sorghum for grain or seed . . . . . <input type="checkbox"/>	082		083	Bu.	084
10. Sorghum for silage or green chop (Do not include sorghum-sudan crosses.) . . . . . <input type="checkbox"/>	085		086	Tons, green	087
11. Tobacco — all types . . . . . <input type="checkbox"/>	094	/10	095	Lbs.	/10
12. Potatoes, Irish . . . . . <input type="checkbox"/>	097	/10	098	Cwt.	/10

6. If you rented land TO OTHERS (item 3), enter the following information for each renter.

Name of renter	Mailing address (Include ZIP Code)	Number of acres

*List additional renters on a separate sheet of paper.*

a. Of the land you rented or leased to others, how many acres did you own? . . . . .  053 Acres

7. Did you have any grazing permits on a per-head basis?

054  Yes — Mark (X) all boxes which apply . . . . .

3	<input type="checkbox"/> Forest Service
4	<input type="checkbox"/> Taylor Grazing Sec. 3 (BLM)
5	<input type="checkbox"/> Indian Land
6	<input type="checkbox"/> Other — Specify

2  No — Go to item 8

8. LOCATION OF AGRICULTURAL ACTIVITY FOR "THIS PLACE"

a. In what county was the largest value of your agricultural products raised or produced? . . . . .

Principal county →	County name	State	Number of acres
			056
			057
			058
			059

b. If you also had agricultural operations in any other county(ies), enter the county name(s), etc. . . . .

**SECTION 3** Was any DRY HAY, GRASS SILAGE, HAYLAGE, or GREEN CHOP cut or harvested from "THIS PLACE" in 1987? Include sorghum-sudan crosses and hay cut from pastures.

s3 1  YES — Complete this section 2  NO — Go to section 4

*If cuttings were made for both dry hay and grass silage, haylage, or green chop from the same fields, report the acreage in the appropriate items under DRY HAY and also under GRASS SILAGE, HAYLAGE, and GREEN CHOP.*

		Acres harvested	Quantity harvested (Report either dry or green weight as indicated)	Acres irrigated
1. DRY HAY (If two or more cuttings of dry hay were made from the same acres, report acres only once, but report total tons from all cuttings.)	103	104	Tons, dry	105
a. Alfalfa and alfalfa mixtures for hay or dehydrating . . . . .	106	107	Tons, dry	108
b. Small grain hay — oats, wheat, barley, rye, etc. . . . .	109	110	Tons, dry	111
c. Other tame dry hay — clover, lespedeza, timothy, Sudangrass, meadow and pasture grasses, etc. . . . .	112	113	Tons, dry	114
d. Wild hay . . . . .			Tons, dry	
2. GRASS SILAGE, HAYLAGE, AND GREEN CHOP (If two or more cuttings were made from the same acres, report acres only once, but report total tons from all cuttings.) . . . . .	115	116	Tons, green	117
3. HAY SOLD — Did you sell any hay or grass silage in 1987? (Report value of hay sold in section 9, item 3) . . . . .	118			1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No

**PENALTY FOR FAILURE TO REPORT**

**SECTION 4** Were any **VEGETABLES, SWEET CORN, MELONS, etc.,** harvested FOR SALE from "THIS PLACE" in 1987? (Do not include those grown for home use.)

S4 1  YES — Complete this section  
2  NO — Go to section 5

	Acres		Acres irrigated	
	Whole acres	Tenths	Whole acres	Tenths
1. Land from which vegetables were harvested in 1987	375	/10	376	/10
2. From the list below, enter the crop name and code for each crop harvested in 1987. If more than one vegetable crop was harvested from the same acres, report acres for each crop. Report crops grown under protection in section 5.				

Crop name	Code	Acres harvested	Acres irrigated
Sweet corn	481	/10	/10
		/10	/10
		/10	/10
		/10	/10
		/10	/10
		/10	/10

**SECTION 5** Were any **NURSERY and GREENHOUSE CROPS, MUSHROOMS, sod, bulbs, flowers, flower seeds, vegetable seeds and plants, vegetables under glass or other protection, GROWN FOR SALE** on "THIS PLACE" in 1987?

S5 1  YES — Complete this section  
2  NO — Go to section 6

Crop name	Code	Area irrigated			Sales in 1987	
		Square feet	Acres	Tenths	Dollars	Cents
1. Nursery and greenhouse crops irrigated in 1987		477	478	/10		

Crop name	Code	Crop name	Code
Bedding plants (Include vegetable plants)	479	Potted flowering plants	710
Bulbs (Exclude bulb flowering plants)	482	Mushrooms	484
Cut flowers and cut florist greens	485	Sod harvested	487
Nursery crops — ornamentals, fruit and nut trees, and vines	488	Vegetable and flower seeds	500
Foliage plants	707	Greenhouse vegetables	503
		Other — Specify	506

**SECTION 8** Was there a combined total of 20 or more **FRUIT TREES, including GRAPEVINES and NUT TREES,** on "THIS PLACE" in 1987?

S8 1  YES — Complete this section  
2  NO — Go to section 9

	Total acres		Acres irrigated	
	Whole acres	Tenths	Whole acres	Tenths
1. TOTAL ACRES in bearing and nonbearing fruit orchards, vineyards, and nut trees on this place. (Do not include abandoned acres.)	121	/10	122	/10

Crop name	Code	NUMBER OF TREES OR VINES OF —		Acres in trees and vines of all ages		Quantity harvested	Unit of measure			
		Nonbearing age	Bearing age	Whole acres	Tenths		Lbs.	Tons	Boxes	Lbs. per box
Apples	123	124	125	126	/10	127	128	129	130	
Grapes	177	178	179	180	/10	181	182	183	184	
Sweet cherries	345	346	347	348	/10	349	350	351	352	
Tart cherries	587	588	589	590	/10	591	592	593	594	
		1	2	3	/10	4	5	6	7	
		1	2	3	/10	4	5	6	7	

If more space is needed, use a separate sheet of paper.

**SECTION 6** Were any **STRAWBERRIES, CRANBERRIES, or OTHER BERRIES** harvested FOR SALE from "THIS PLACE" in 1987? (Do not include those grown for home use.)

S6 1  YES — Complete this section  
2  NO — Go to section 7

From the list below, enter crop name and code. Report quantity harvested in unit specified with crop name.

Crop name	Code	Acres harvested		Quantity harvested	Acres irrigated	
		Whole acres	Tenths		Whole acres	Tenths
Strawberries	536		/10	537	538	/10
			/10		2	/10
			/10		2	/10

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Blackberries and dewberries (pounds)	509	Raspberries (pounds)	533
Blueberries, tame (pounds)	512	Other berries (pounds) — Specify	539
Blueberries, wild (pounds)	515		
Cranberries (100-lb. barrels)	521		

**SECTION 7** Were any **OTHER CROPS** harvested from "THIS PLACE" in 1987 — small grains, field seeds, or other crops not previously reported? (Report fruit in section 5.)

S7 1  YES — Complete this section  
2  NO — Go to section 8

For those crops not listed enter the crop name and code from the list below. Report quantity harvested in unit specified with crop name.

Crop name	Code	Acres harvested	Quantity harvested	Acres irrigated
Sweetpotatoes and yams	100	/10	101	102 /10
Buckwheat	675		676	677
Red clover seed	671		672	673
Timothy seed	746		747	748
			1	2
			1	2
			1	2
			1	2

If more space is needed, use a separate sheet of paper.

Crop name	Code	Crop name	Code
Alfalfa seed (pounds)	542	Ryegrass seed (pounds)	689
Birdsfoot trefoil seed (pounds)	566	Salt hay (tons)	695
Corn cut for dry fodder, hogged or grazed (report acres only)	581	Sorghum cut for dry forage or hay (tons, dry weight)	688
Emmer and spelt (bushels)	599	Sorghum hogged or grazed (report acres only)	701
Grains, mixed (bushels)	614	Sunflower seed (pounds)	734
Lespedeza seed (pounds)	635	Vetch seed (pounds)	765
Peas, dry edible (pounds)	659	Other crops (pounds) — Specify	752
Popcorn (pounds, shelled)	662		

**SECTION 9** **GROSS VALUE of CROPS SOLD from "THIS PLACE" in 1987, BEFORE taxes and expenses** (Refer to the INFORMATION SHEET, section 9.)

Report your best estimate of the value for each of the following groups of crops sold from this place in 1987. Include the value of the landlord's and/or contractor's share, estimating if necessary. Include value of Government CCC loans.

	None	Dollars	Cents
1. Grains, soybeans and other beans sold in 1987		773	00
a. Corn for grain	<input type="checkbox"/>	\$ 774	00
b. Wheat	<input type="checkbox"/>	\$ 775	00
c. Soybeans	<input type="checkbox"/>	\$ 776	00
d. Sorghum for grain	<input type="checkbox"/>	\$ 777	00
e. Barley	<input type="checkbox"/>	\$ 778	00
f. Oats	<input type="checkbox"/>	\$ 779	00
g. Other — rye, dry beans, dry peas, popcorn, sunflower seed, buckwheat, etc.	<input type="checkbox"/>	\$ 781	00
2. Tobacco	<input type="checkbox"/>	\$ 782	00
3. Hay, silage, field seeds, and grass seeds	<input type="checkbox"/>	\$ 783	00
4. Vegetables, sweet corn, and melons — (Do not include Irish potatoes and sweetpotatoes, report them in item 6 below.)	<input type="checkbox"/>	\$ 784	00
5. Fruits, nuts, and berries — apples, peaches, grapes, cherries, cranberries, strawberries, blueberries, etc.	<input type="checkbox"/>	\$ 785	00
6. Other crops — Irish potatoes, sweetpotatoes, etc. (Do not include nursery and greenhouse crops.) — Specify	<input type="checkbox"/>	\$	00

**SECTION 10** **How were the ACRES in this place USED in 1987?**

1. Copy acres in "THIS PLACE" from section 1, item 4, page 1 \_\_\_\_\_ Acres

**NOTE:** For items 2 to 5 below, if land was used for more than one purpose in 1987 report it in the FIRST land use listed below that applies. For example, report cropland harvested and also pastured, only as "Cropland harvested."

	None	Number of acres
2. <b>CROPLAND</b>		787
a. Cropland harvested — Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus groves, vineyards, and nursery and greenhouse crops.	<input type="checkbox"/>	788
b. Cropland used only for pasture or grazing — Include rotation pasture and grazing land that could have been used for crops without additional improvements.	<input type="checkbox"/>	789
c. Cropland used for cover crops, legumes, and soil-improvement grasses, but NOT harvested and NOT pastured	<input type="checkbox"/>	790
d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)	<input type="checkbox"/>	791
e. Cropland in cultivated summer fallow	<input type="checkbox"/>	793
f. Cropland idle	<input type="checkbox"/>	794
3. <b>Woodland</b> — Include all woodlots and timber tracts and cutover and deforested land with young timber growth.		795
a. Woodland pastured	<input type="checkbox"/>	796
b. Woodland not pastured	<input type="checkbox"/>	798
4. <b>Other pastureland and rangeland</b> — Include any pastureland other than cropland and woodland pasture.	<input type="checkbox"/>	797
5. <b>All other land</b> — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.	<input type="checkbox"/>	798
6. <b>TOTAL ACRES</b> — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)		798

**SECTION 11** **Was any LAND in this place IRRIGATED at any time in 1987?**

Irrigated land is all land watered by any artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.

1  YES — Complete this section  
2  NO — Go to section 12

	None	Number of acres irrigated
1. How many acres of harvested land were irrigated? Include land from which hay was cut and land in bearing and nonbearing fruit and nut crops reported in section 10, item 2a.	<input type="checkbox"/>	800
2. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?	<input type="checkbox"/>	801

**SECTION 12** **Were any ACRES in this place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?**

1  YES — Complete this section  
2  NO — Go to section 13

	None	Number of acres
1. How many acres were set aside (or diverted) under ANNUAL commodity acreage adjustment programs?	<input type="checkbox"/>	802
2. How many acres were under the CONSERVATION RESERVE PROGRAM (10 year, CRP)?	<input type="checkbox"/>	803

**SECTION 13** **Did you or anyone else have any CATTLE or CALVES on this place in 1987?**

1  YES — Complete this section  
2  NO — Go to section 14

**DECEMBER 31, 1987 INVENTORY**

	None	INVENTORY Number on this place Dec. 31, 1987
1. CATTLE AND CALVES of all ages (Total of a, b, c, and d below)	<input type="checkbox"/>	803
a. BEEF COWS — Include beef heifers that had calved.	<input type="checkbox"/>	804
b. MILK COWS kept for production of milk or cream for sale or home use — Include dry milk cows and milk heifers that had calved.	<input type="checkbox"/>	806
c. HEIFERS and HEIFER CALVES — (Do not include heifers that had calved.)	<input type="checkbox"/>	808
d. STEERS, STEER CALVES, BULLS, AND BULL CALVES	<input type="checkbox"/>	807

**CATTLE AND CALVES SOLD FROM THIS PLACE IN 1987**  
Include those fed on this place on a contract or custom basis. Also report as sold cattle moved from this place to a feedlot for further feeding.

	None	Number sold in 1987	Gross value of sales	
			Dollars	Cents
2. Calves weighing less than 500 pounds	<input type="checkbox"/>	808	\$	00
3. Cattle, including calves weighing 500 pounds or more	<input type="checkbox"/>	810	\$	00
a. Of the total cattle sold, how many were FATTENED on this place on GRAIN or CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?	<input type="checkbox"/>	812	\$	00

**DAIRY PRODUCTS SOLD FROM THIS PLACE IN 1987**

	None	DAIRY PRODUCTS Gross value of sales	
		Dollars	Cents
4. Gross value of sales of DAIRY PRODUCTS from this place in 1987 — Include milk, cream, butter, etc.	<input type="checkbox"/>	\$	00

**SECTION 14** **Did you or anyone else have any HOGS or PIGS on this place in 1987?**

1  YES — Complete this section  
2  NO — Go to section 15

**DECEMBER 31, 1987 INVENTORY**

	None	INVENTORY Number on this place Dec. 31, 1987
1. HOGS and PIGS of all ages (Total of a and b below)	<input type="checkbox"/>	815
a. HOGS and PIGS used or to be used for BREEDING	<input type="checkbox"/>	816
b. OTHER HOGS and PIGS	<input type="checkbox"/>	817

**LITTERS FARROWED**

	None	Number of litters
2. LITTERS FARROWED on this place between —		818
a. December 1, 1986 and May 31, 1987	<input type="checkbox"/>	819
b. June 1, 1987 and November 30, 1987	<input type="checkbox"/>	

**HOGS AND PIGS SOLD**

	None	Number sold in 1987	Gross value of sales	
			Dollars	Cents
3. HOGS and PIGS SOLD from this place in 1987	<input type="checkbox"/>	820	\$	00
a. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?	<input type="checkbox"/>	822	\$	00

**SECTION 15** **Did you or anyone else have any SHEEP or LAMBS on this place in 1987?**

1  YES — Complete this section  
2  NO — Go to section 16

**DECEMBER 31, 1987 INVENTORY**

	None	INVENTORY Number on this place Dec. 31, 1987	NUMBER SOLD in 1987
1. SHEEP and LAMBS of all ages	<input type="checkbox"/>	824	825
a. EWES 1 year old or older	<input type="checkbox"/>	826	

**SHEEP AND LAMBS SHORN**

	None	Number shorn in 1987	Pounds of wool shorn in 1987
2. SHEEP and LAMBS SHORN	<input type="checkbox"/>	827	828

**GROSS VALUE OF SALES OF SHEEP, LAMBS, and WOOL**

	None	Gross value of sales	
		Dollars	Cents
3. What was the gross value of sales of SHEEP, LAMBS, and WOOL from this place in 1987?	<input type="checkbox"/>	\$	00

**SECTION 16** Did you or anyone else have any HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, or ANIMAL SPECIALTIES on this place in 1987?

S16 1  YES — Complete this section 2  NO — Go to section 17

	None	INVENTORY Number on this place Dec. 31, 1987	Total quantity sold in 1987	Gross value of sales	
				Dollars	Cents
1. Horses and ponies of all ages	<input type="checkbox"/>	830	831	832	00
2. Colonies of bees	<input type="checkbox"/>	839	840 841	842	00
3. Milk goats	<input type="checkbox"/>	843	844 845	846	00
4. Angora goats	<input type="checkbox"/>	847	848 849	850	00
5. Other goats	<input type="checkbox"/>	851	852	853	00
6. Mules, burros, and donkeys	<input type="checkbox"/>	833	834	835	00
7. Mink and their pelts	<input type="checkbox"/>	836	837	838	00
8. Rabbits and their pelts	<input type="checkbox"/>	854	855	856	00
9. All other livestock and livestock products	<input type="checkbox"/>	857	858	859	00

Specify \_\_\_\_\_

10. Fish and other aquaculture products (Enter name and code from list below.)

Name	Code	Name	Code	Gross value of sales	
				Dollars	Cents
Catfish	860	Other fish — Specify	866	2	00
Trout	863	Other aquaculture products — Specify	869		

If more space is needed, use a separate sheet of paper.

**SECTION 17** Did you or anyone else have any POULTRY, such as CHICKENS, TURKEYS, DUCKS, etc., on this place in 1987? — Include poultry grown for others on a contract basis.

S17 1  YES — Complete this section 2  NO — Go to section 18

	None	INVENTORY Number on this place Dec. 31, 1987	Total number sold in 1987
2. PULLETS for laying flock replacement	<input type="checkbox"/>	894	895
a. PULLETS 3 months old or older not yet of laying age	<input type="checkbox"/>	896	
b. PULLETS CHICKS and PULLETS under 3 months old (Do not include commercial broilers.)	<input type="checkbox"/>	898	
3. BROILERS, fryers, and other meat-type chickens including capons and roasters	<input type="checkbox"/>	898	899
4. TURKEYS	<input type="checkbox"/>	900	901
a. Turkeys for slaughter (Do not include breeders.)	<input type="checkbox"/>	902	903
b. Turkey HENS kept for breeding	<input type="checkbox"/>		
5. OTHER POULTRY raised in captivity — ducks, geese, pigeons or squab, pheasants, quail, etc. (Enter poultry name and code from the list below.)	<input type="checkbox"/>		1

Poultry name \_\_\_\_\_ Code \_\_\_\_\_

Poultry name \_\_\_\_\_ Code \_\_\_\_\_

Name	Code	Name	Code	Name	Code
Ducks	904	Pigeons or squab	908	Quail	912
Geese	906	Pheasants	910	All other poultry — Specify	914

6. POULTRY HATCHED on this place in 1987 and placed or sold — chickens, turkeys, ducks, etc. — Specify kind of poultry \_\_\_\_\_

7. Incubator egg capacity on December 31, 1987 \_\_\_\_\_

	None	Gross value of sales	
		Dollars	Cents
8. What was the gross value of sales of poultry and poultry products (eggs, etc.) from this place in 1987?	<input type="checkbox"/>	918	00

FORM 87-A0201 (8-11-86)

**SECTION 18** GOVERNMENT CCC LOANS

S18

1. Amount received in 1987 from Government CCC loans for — None

	Dollars	Cents
a. Corn	886	00
b. Wheat	887	00
c. Soybeans	888	00
d. Sorghum, barley, and oats	889	00
e. Tobacco, rye, and honey	891	00

Include regular and reserve loans, even if redeemed or forfeited.

**SECTION 19** Payments received for participation in FEDERAL FARM PROGRAMS in 1987 (DO NOT INCLUDE CCC loans.) Refer to INFORMATION SHEET, section 19.

S19

1. Amount received in cash

2. Value of certificates received — payment-in-kind (PIK) or commodity certificates

	Dollars	Cents
1	884	00
2	885	00

**SECTION 20** TYPE OF ORGANIZATION

S20

Mark (X) the one item which best describes the type of organization for this place in 1987. Refer to the INFORMATION SHEET, section 20.

- FAMILY or INDIVIDUAL operation — (Do not include partnership and corporation.) 921
- PARTNERSHIP operation — Include family partnerships. 922  Go to section 22
- INCORPORATED UNDER STATE LAW 923  Go to section 21
- OTHER, such as estate or trust, prison farm, grazing association, Indian reservation, etc. 924  Specify below then go to section 22

Specify \_\_\_\_\_

**SECTION 21** CORPORATE STRUCTURE (for incorporated operations only)

Refer to the INFORMATION SHEET, section 21.

S21

1. Is this a family-held corporation? 922  Yes  No

2. Are there more than 10 stockholders? 923  Yes  No

**SECTION 22** CHARACTERISTICS AND OCCUPATION OF OPERATOR (Senior partner or person in charge) Refer to the INFORMATION SHEET, section 22.

S22

1. RESIDENCE — Does the operator (senior partner or person in charge) live on this place? 923  Yes  No

2. PRINCIPAL OCCUPATION — At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 1987? For partnerships consider all members of the partnership together. 924

- Farming
- Other or ranching

3. OFF-FARM WORK — How many days did the operator (senior partner or person in charge) work at least 4 hours per day off this place in 1987? — Include work at a nonfarm job, business, or on someone else's farm for pay. (Do not include exchange farmwork.) 925

- None
- 1—49 days
- 50—99 days
- 100—149 days
- 150—199 days
- 200 days or more

4. In what YEAR did the operator (or senior partner) begin to operate any part of this place? 926 \_\_\_\_\_ Year

5. AGE of operator (senior partner or person in charge) 927 \_\_\_\_\_ Years old

6. RACE of operator (senior partner or person in charge) 928

- White
- Negro or Black
- American Indian
- Asian or Pacific Islander
- Other — Specify \_\_\_\_\_

7. SEX of operator (senior partner or person in charge) 929  Male  Female

8. SPANISH ORIGIN — Is the operator (senior partner or person in charge) of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)? 930  Yes  No

**SECTION 23** PRODUCTION EXPENSES paid by you and others for this place in 1987

523

Include your best estimates of expenses paid by you, your landlord, contractors, buyers, and others for production of crops, livestock, and other agricultural products in 1987. (DO NOT INCLUDE expenses connected with performing customwork for others; operation of nonfarm activities, businesses, or services; or household expenses not related to the farm business.)

	None	Dollars		Cents
1. Livestock and poultry purchased — cattle, calves, hogs, pigs, sheep, lambs, goats, horses, chicks, poulters, started pullets, etc. . . . .	<input type="checkbox"/>	971	\$	00
2. Feed purchased for livestock and poultry — grain, hay, silage, mixed feeds, concentrates, etc. . . . .	<input type="checkbox"/>	972	\$	00
a. Commercially mixed formula feeds purchased — complete, supplement, concentrates, premixes. (Do not include ingredients purchased separately, such as soybean meal, cottonseed meal, and urea.) . . . . .	<input type="checkbox"/>	973	\$	00
3. Seed cost — for corn, other grains, soybeans, tobacco, cotton, etc. — Include plants and trees purchased. . . . .	<input type="checkbox"/>	974	\$	00
4. Commercial fertilizer purchased — all forms, including rock phosphate and gypsum. Include cost of custom applications. . . . .	<input type="checkbox"/>	975	\$	00
5. Agricultural chemicals purchased — Insecticides, herbicides, fungicides, other pesticides, etc. — Include cost of custom applications. (Do not include lime.) . . . . .	<input type="checkbox"/>	976	\$	00
6. Gasoline and other petroleum fuel and oil purchased for the farm business —		977	\$	00
a. Gasoline and gasohol . . . . .	<input type="checkbox"/>	978	\$	00
b. Diesel fuel . . . . .	<input type="checkbox"/>	979	\$	00
c. Natural gas . . . . .	<input type="checkbox"/>	980	\$	00
d. LP gas, fuel oil, kerosene, motor oil, grease, etc. . . . .	<input type="checkbox"/>	981	\$	00
7. Electricity for the farm business — (Do not include household expenses.) . . . . .	<input type="checkbox"/>	982	\$	00
8. Hired farm and ranch labor — also include employer's cost for social security, workman's compensation, insurance premiums, pension plans, etc. (See INFORMATION SHEET) . . . . .	<input type="checkbox"/>	983	\$	00
9. Contract labor — Include expenditures for labor, such as harvesting of fruit, vegetables, berries, etc., performed on a contract basis by a contractor, crew leader, a cooperative, etc. . . . .	<input type="checkbox"/>	984	\$	00
10. Repair and maintenance expenses for the upkeep of buildings, motor vehicles, and farm equipment . . . . .	<input type="checkbox"/>	985	\$	00
11. Customwork, machine hire and rental of machinery and equipment — Include expenditures for use of equipment and for customwork such as grinding and mixing feed, plowing, combining, corn picking, drying, silo filling, spraying, dusting, fertilizing, etc. (Do not include cost of cotton ginning and application of fertilizer and chemicals.) . . . . .	<input type="checkbox"/>	986	\$	00
12. Interest paid on debts — (See INFORMATION SHEET)		987	\$	00
a. Secured by real estate . . . . .	<input type="checkbox"/>	988	\$	00
b. Not secured by real estate . . . . .	<input type="checkbox"/>	989	\$	00
13. Cash rent paid for land and buildings in 1987 — (Do not include grazing fees.) . . . . .	<input type="checkbox"/>	990	\$	00
14. Property taxes paid — Include farm real estate, machinery, livestock, etc. for the farm business. (Do not include taxes paid by landlords.) . . . . .	<input type="checkbox"/>	991	\$	00
15. All other production expenses — Include insurance, water, animal health costs, grazing fees, marketing charges, miscellaneous farm supplies, etc. (Do not include depreciation, household expenses, and expenses not associated with the farm business.) . . . . .	<input type="checkbox"/>	992	\$	00

**SECTION 24** Was any COMMERCIAL FERTILIZER, including ROCK PHOSPHATE, or LIME used on this place during 1987?

524

YES — Complete this section     NO — Go to section 25

	None	Acres fertilized	
1. Acres of cropland fertilized in 1987 — (Do not include cropland for pastures reported in section 10, item 2b.) . . . . .	<input type="checkbox"/>	932	
2. Acres of pastureland and rangeland fertilized in 1987 reported in section 10, items 2b and 4 . . . . .	<input type="checkbox"/>	933	
3. LIME — tons of lime used and acres on which applied — (Do not include land plaster or gypsum or lime for sanitation.) . . . . .	<input type="checkbox"/>	934	935
		Tons of lime	Acres limed

**SECTION 25** Were any INSECTICIDES, HERBICIDES, FUNGICIDES, NEMATOCIDES, OTHER PESTICIDES, or OTHER CHEMICALS used on this place in 1987?

525

YES — Complete this section     NO — Go to section 26

Include any materials provided by you, your landlords, or contractors. For each item listed, report acres only once. If multipurpose chemicals were used, report acreage treated for each purpose.

	None	Acres on which used	
1. Sprays, dusts, granules, fumigants, etc., (fungicide, herbicide, insecticide, nematocide) to control —	<input type="checkbox"/>	936	
a. Insects on crops, including hay . . . . .	<input type="checkbox"/>	937	
b. Nematodes in crops . . . . .	<input type="checkbox"/>	938	
c. Diseases in crops and orchards (blights, smuts, rusts, etc.) . . . . .	<input type="checkbox"/>	939	
d. Weeds, grass, or brush in crops and pasture — Include both pre-emergence and post emergence. . . . .	<input type="checkbox"/>	940	
2. Chemicals for defoliation or for growth control of crops or thinning of fruit . . . . .	<input type="checkbox"/>		

**SECTION 26** MACHINERY AND EQUIPMENT on this place on December 31, 1987 — Include only equipment used for agricultural operations in 1986 or 1987.

526

• Value of ALL machinery and equipment on this place, December 31, 1987

1. What is the estimated market value of ALL machinery, equipment, and implements usually kept on this place and used for the farm or ranch business? — Include cars, trucks, tractors, combines, plows, disks, harrows, drivers, pumps, motors, irrigation equipment, dairy equipment including milkers and bulk tanks, livestock feeders, grinding and mixing equipment, etc. . . . .

	Estimated market value	
	Dollars	Cents
943	\$	00

• SELECTED machinery and equipment on this place, December 31, 1987. (Report only if used in 1986 or 1987.)

	None	Total number on this place on December 31, 1987	Of the total, HOW MANY were manufactured in the last 5 years (1983 - 1987)?
2. Motortrucks — Include pickups . . . . .	<input type="checkbox"/>	944	945
3. Wheel tractors other than garden tractors and motor tillers —			
a. Less than 40 horsepower (PTO) . . . . .	<input type="checkbox"/>	946	947
b. 40 horsepower (PTO) or more . . . . .	<input type="checkbox"/>	948	949
4. Grain and bean combines, all types . . . . .	<input type="checkbox"/>	950	951
5. Cotton pickers and strippers . . . . .	<input type="checkbox"/>	952	953
6. Mower conditioners . . . . .	<input type="checkbox"/>	954	955
7. Pickup balers — Include rectangle and round balers . . . . .	<input type="checkbox"/>	956	957

**SECTION 27** ESTIMATED CURRENT MARKET VALUE OF LAND and BUILDINGS

527

Please give your best ESTIMATE of the CURRENT MARKET VALUE of land and buildings for all acres reported in section 1, items 1, 2, and 3, page 1.

	None	Estimated market value of land and buildings	
		Dollars	Cents
1. All land owned . . . . .	<input type="checkbox"/>	958	00
2. All land rented or leased FROM OTHERS . . . . .	<input type="checkbox"/>	959	00
3. All land rented or leased TO OTHERS . . . . .	<input type="checkbox"/>	960	00

**SECTION 28** INCOME FROM FARM - RELATED SOURCES IN 1987

528

Report amount received before taxes and expenses.

	None	Farm-related income	
		Dollars	Cents
1. Customwork and other agricultural services provided for farmers and others — plowing, planting, spraying, harvesting, preparation of products for market, etc. (If customwork is a separate business, refer to INFORMATION SHEET, section 28) . . . . .	<input type="checkbox"/>	962	00
2. Gross cash rent or share payments received from renting out farmland or payments received from lease or sale of allotments — Include payments for livestock pastured on a per-head basis, per-month basis, per-pound basis, etc. . . . .	<input type="checkbox"/>	963	00
3. Sales of forest products and Christmas trees — Include maple products, naval stores, firewood, etc. . . . .	<input type="checkbox"/>	964	00
4. Recreational services, patronage dividends of cooperatives, and other income which is CLOSELY RELATED to the agricultural operation on this place —	<input type="checkbox"/>	965	00

**SECTION 29** PERSON COMPLETING THIS REPORT — Please print

Name \_\_\_\_\_ 989 Date \_\_\_\_\_

Telephone number \_\_\_\_\_ Area Code \_\_\_\_\_ Number \_\_\_\_\_

**INFORMATION SHEET****1987 UNITED STATES CENSUS OF AGRICULTURE****Special Reporting Instructions****1. Who Should Report**

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, tenants, partnerships, corporations, institutions, and THOSE NOT CONDUCTING AGRICULTURAL OPERATIONS. Each case included in the census has a unique Census File Number (CFN). In order to make the census results as complete and accurate as possible, we need to obtain information about every CFN.

**2. If You Received More Than One Report Form for an Operation**

Complete only ONE report form for an operation. Write "Duplicate" near the address label of each extra report form. Also, write the 11-digit census file number(s) of the DUPLICATE report(s) ON THE COMPLETED REPORT in the space provided to the left of the address label. Return the extra report(s) in the same envelope with your completed report form so that we can correct our records.

**3. If You No Longer Farm**

If you had agricultural operations at any time during 1987, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

Explain on the first page of the report form (or on a separate sheet of paper) that you quit farming or ranching and give the approximate date and the name and address of the present operator, if known.

**4. If You Never Farmed or Have No Association With Agriculture**

Please write a note on the report form near the address label explaining this and return the form so that we can correct our records. In our efforts to make the census as complete as possible, we obtained lists from various sources. We tried to eliminate duplicate and nonfarm addresses, however, it was not always possible to do so.

**5. If You Have More Than One Agricultural Operation**

Complete a report form for EACH SEPARATE and DISTINCT production unit, i.e., each individual farm, ranch, feedlot, greenhouse, etc., or combination of farms, etc., for which you maintain SEPARATE records of operating expenses and sales, livestock and other inventories, crop acreages, and production.

**6. If You Have a Partnership Operation**

Complete only ONE report for the entire partnership's agricultural operation and include all partners' shares on the one report. If members of the partnership also operate separate farms or ranches in addition to the partnership farming operation, separate report forms should be completed for each individual operation.

If two or more report forms were received for the same operation, mark each additional form as a "Duplicate." Return the duplicate report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "(Name of partner) has completed a report for the partnership (provide name and CFN of partnership)."

**7. Landlord's or Contractor's Share**

If you rented or leased land from others or had a contract for the production of agricultural products, include both your share and the landlord's or contractor's share of the production, sales, and expenses so your census report form will be complete for "THIS PLACE."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE. If you do not have records available for all data items, use your best estimate.

**How to Enter Your Response**

Enter your replies in the proper spaces, on the correct lines, and in the units requested, i.e., dollars, bushels, tons, etc. Write any explanation outside the answer spaces or on a separate sheet of paper.

All dollar figures may be entered in whole dollars. CENTS ARE NOT REQUIRED.

Enter whole numbers except where tenths are requested, such as acres of potatoes harvested. If you have 1/2, 1/3, or 1/4 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10.

The census report form will contain sections and questions which do not apply to you. When this occurs, mark the "None" or "No" box and go on to the next item or section.

**Instructions For Specified Sections****► Section 1 — ACREAGE IN 1987**

Your answers to this section will determine the land (Acres In "THIS PLACE") referred to in the rest of the report form.

When answering the acreage questions, include the land associated with your agricultural operations in 1987 whether in production or not. Include all land that you owned or rented during 1987 even if only for part of the year. Do not include any unrelated residential or commercial land.

**IF YOU QUIT FARMING DURING 1987** — Complete the report form for the portion of the year that you did farm. Explain on the report form in the space to the left of the address label (or on another sheet of paper) when you stopped farming and include the name and address of the person now using the land.

Report all land in section 1 in whole acres.

**Item 1 — All Land Owned** — Report all land owned in 1987 whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

**Item 2 — All Land Rented or Leased FROM OTHERS** — Report all land rented by you or your operation even though the landlord may have supplied materials or supervision.

INCLUDE in item 2:

- a. Land for agricultural use that you rented from others for cash
- b. Land you worked on a share basis (crop or livestock)
- c. Land owned by someone else that you used rent-free
- d. Federal, State, Indian reservation, or railroad land rented or leased by the acre

DO NOT INCLUDE in item 2:

Land used on a per-head or animal unit license or permit basis, such as section 3 of the Taylor Grazing Act, National Forest, or Indian reservation permit land. If you had any of these permits, mark "yes" to item 7.

**Item 3 — All Land Rented or Leased TO OTHERS** — Include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. A report form will be obtained from each of your tenants to cover the operations on that land.

INCLUDE in item 3:

- a. Owned land rented to others for cash or a share of crops or livestock
- b. Land you rented from someone and then subleased to someone else
- c. Land worked for you by someone for a share of crops or livestock
- d. Land which you allowed others to use rent-free

**Item 4 — Acres in "THIS PLACE"** — This figure will show the total of all land you operated at any time in 1987.

**If item 4, Acres in "THIS PLACE" is "0" and:**

- a. You raised any crops or had any livestock or poultry on "THIS PLACE" in 1987, complete the report.
- b. All your land was operated by a renter or sharecropper, complete item 6 (name and address of renters), skip to and complete section 29, and explain briefly, "all land rented out," etc. Mail form in return envelope.
- c. You did not have any agricultural activity on owned or rented land in 1987, complete section 29 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

**► Sections 2 through 8 — CROPS**

Sections 2 through 8 provide space for reporting crops harvested during the 1987 crop year from the land shown in section 1, item 4 (Acres in "THIS PLACE") of your report. Please report your crops in the appropriate sections. Do NOT include any crops grown on land rented or leased TO OTHERS, or worked by others on shares during 1987.

**Acres harvested** — Enter the acres harvested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as for potatoes.



**Quantity harvested** — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and estimated quantity to be harvested.

**Acres irrigated** — For each crop irrigated, report number of acres irrigated. Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that received supplemental, partial, and/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation. Leave "Acres irrigated" blank for crops that are not irrigated.

**How to Report Crops Harvested**

- **Sections 2 and 3** — Report only for the listed crops.
- **Sections 4 through 8** — To report: (1) find the crop name and the code number from the list in the section; (2) enter crop name and code in the first two columns of the first available answer line in the section; (3) enter the information that is requested in the remaining columns. If you harvested a crop not listed in sections 4 through 8, use the "Other" code in the appropriate section and specify the crop name.

**Double Cropping** — If two or more crops were harvested from the same land (double cropping) report the total acres and production of each harvested crop in the appropriate section(s) of the report form.

*Example:* In 1987 you harvested 1,230 bushels of wheat from 40 acres, then on the same 40 acres planted soybeans, from which you harvested 1,550 bushels. You irrigated the soybeans but not the wheat.

Section 2a				
Were any of the following CROPS harvested from "THIS PLACE" in 1987?				
S2	None	Acres harvested	Quantity harvested	Acres irrigated
1. Cotton . . . . .	<input type="checkbox"/>	091	092 Bales	093
2. Soybeans for beans . . . . .	<input type="checkbox"/>	088 40	089 1,550 Bu.	090 40
3. Wheat for grain . . . . .	<input type="checkbox"/>	073 40	074 1,230 Bu.	075
4. Oats for grain . . . . .	<input type="checkbox"/>	076	077 Bu.	078

**Interplanted Crops** — If two crops were grown at the same time in alternating strips in the same field, report the portion of the field used for each crop.

*Example:* A 60 acre field was planted in cotton and soybeans, with two rows of cotton followed by an area of the same width planted in soybeans. No irrigation was used. Thirty acres of soybeans and 30 acres of cotton would be reported in the appropriate section(s).

**Skip Row Planting** — If a crop is planted in an alternating pattern of planted and non-planted rows, such as two rows planted and two rows skipped (2 X 2), report the portion of the field occupied by the crop in the appropriate section for that crop, and report the skipped portion as "Cropland idle" in section 10, item 2f.

- **Section 4 — VEGETABLES** — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

*Example:* In 1987 you harvested 10 acres of lettuce from a field, then replanted the field in lettuce and harvested the 10 acres again. Both crops of lettuce were irrigated. Enter only 10 acres of land from which vegetables were harvested and 10 acres irrigated in item 1 of section 4, but write in 20 acres of lettuce harvested and 20 acres of lettuce irrigated in item 2 of section 4.

- **Section 8 — FRUITS and NUTS** — In counting the combined total of 20 or more trees and vines, include those for home use as well as those maintained for sale of the production. Acres in trees or vines that have been abandoned should not be included; these acres should be included in section 10, item 2f "Cropland idle."

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in section 8 and the total acres of the interplanted crop in the appropriate section.

- **Section 9 — GROSS VALUE OF CROPS SOLD**

Report the value of all crops sold from "THIS PLACE" in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross values before deducting expenses and taxes. Include Government CCC loans received for "THIS PLACE" in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on "THIS PLACE" regardless of the year in which the crops were harvested.

Also include as sales, your estimate of the value of any crop removed from "THIS PLACE" in trade for services, such as hay cut in exchange for fence repair, clearing, or other services. If the sale price or market value is not known, give your best estimate of the crop's market value when removed from "THIS PLACE."

DO NOT INCLUDE crops or crop products purchased from others and later sold.

► **Section 10 — USE OF ACRES IN "THIS PLACE"**

This section is used to classify the acres in "THIS PLACE" reported in section 1, item 4. (Do not include any acres you rented to others reported in section 1, item 3). The sum of the acres entered in various categories should equal total acres in "THIS PLACE."

**Land Used for More Than One Purpose** — Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you plowed under a cover crop, and planted and harvested a grain crop, report the land in item 2a, "Cropland harvested," but do NOT report as "Cropland used for cover crops, legumes, etc." (item 2c).

**Double Cropping** — When more than one crop was harvested from the same land in 1987, report that land only ONCE as "Cropland harvested," in item 2a.

**Interplanted Crops** — If you interplanted crops, such as cotton in an orchard, report the total land used for both crops only ONCE, as "Cropland harvested," in item 2a.

**Skip Row Planted Crops** — Report the acres that represent the total nonplanted or skipped rows as "Cropland idle," item 2f. The acres that represent the planted rows should be reported as "Cropland harvested," in item 2a.

► **Section 12 — ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987**

Include in item 2 all acres in "THIS PLACE" retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

► **Sections 13 through 17 — LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES**

**Animals and Poultry to Include in the Report** — Report all animals, poultry, and animal specialties on "this place" (section 1, item 4) on December 31, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, National Forest land, district land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis. Animals in transit on December 31, 1987, or animals on a short-term pasture (such as wheat pasture or crop residue) on a per-head or lease basis should be reported by the person who had control of the animals.

**Animals and Poultry to Exclude from the Report** — Do not report animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Do not include animals quartered in feedlots which are not a part of "this place." Animals kept on a place not operated by you are to be included on the report for that place.

**Animals Bought and Sold** — DO NOT REPORT ANY ANIMALS BOUGHT AND THEN RESOLD WITHIN 30 DAYS. Such purchases and sales are considered "dealer" transactions, and are not included in this census.

**Number Sold** — Report all animals and poultry sold or removed from "this place" in 1987, without regard to ownership or who shared in the receipts. Include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do NOT report number sold for any livestock or poultry kept on another place.

**Dairy Termination Program or "Whole-Herd Dairy Buy-Out Program"** — The amount received in 1987 from the Government under the dairy termination program should be included in section 19, item 1. Dairy animals and products sold in 1987 should be reported in section 13.

**Animals Moved to Another Place** — For animals moved from "this place" to another place, such as for further feeding, report animals as "sold" and give your best estimate of their market value when they left "this place."

**Fat Cattle Sold** — Cattle fattened on grain or concentrates for 30 days or more and sold for slaughter are reported in section 13, item 3a.

DO NOT INCLUDE WITH FATTENED CATTLE SOLD:

- a. Cattle and calves sold for further feeding
- b. Veal calves, or any calves weighing less than 500 pounds
- c. Dairy cows fed only the usual dairy ration before being sold

**Value of Sales** — Report the total gross value of animals and poultry sold or removed from "this place" in 1987 without deducting production or marketing expenses (cost of feed, cost of livestock purchased, cost of hauling and selling, etc.). If the sale price or market value is not known, give your best estimate of their market value when they left "this place." Do NOT report the value of sales of any livestock and poultry owned by you but kept and sold from a place you did not operate.

**Contract and Custom Feeding Operations** — Livestock or poultry kept by you on "this place" on a contract or custom basis should be included on this report REGARDLESS OF OWNERSHIP. Report as "INVENTORY" numbers of animals or poultry on the place on December 31, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. If the sale price or market value is not known, give your best estimate of the market value of the animals or poultry when they left the place.

► **Section 16 — HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES**

**Item 2 — If you owned BEES** — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold, and value of sales.

**Items 7 and 8** — Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory.

**Item 9 — Other Livestock and Livestock Products** — Include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Please indicate units used in reporting.

**Item 10 — Fish and Other Aquaculture Products** — Report number of pounds sold and gross value of sales for each. Enter name and code from list.

► **Section 17 — POULTRY**

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owns the birds. Report as sold poultry that were taken or moved from the place in 1987.

► **Section 18 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS**

**Item 1** — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

► **Section 19 — FEDERAL PAYMENTS RECEIVED**

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such as deficiency payments, "Whole-herd dairy buy-out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for approved soil and water conservation projects, etc.

► **Section 20 — TYPE OF ORGANIZATION**

Use the following definitions to determine the type of organization for your operation:

**Family or Individual Operation** — Defined as farm or business organization controlled and operated by an individual (sole proprietor). Include family operations that are not incorporated and not operated under a partnership agreement.

**Partnership Operation** — Defined as two or more persons who have agreed on the amount of their contribution (capital and effort) and the distribution of profits. Co-ownership of land by husband and wife or joint filing of income tax forms by husband and wife DOES NOT constitute a partnership, unless a specific agreement to share contributions, decisionmaking, profits, and liabilities exists. Production under contract or under a share rental agreement DOES NOT constitute a partnership.

**Incorporated Under State Law** — A corporation is defined as a legal entity or artificial person created under the laws of a State to carry on a business. This definition does not include cooperatives. Information on type of corporation should be reported in section 21.

**Other** — Such as cooperatives (defined as an incorporated or unincorporated enterprise or an association created and formed jointly by the members), estate or trust (defined as a fund of money or property administered for the benefit of another individual or organization), prison farm, grazing association, Indian reservation, institution run by a government or religious entity, etc.

► **Section 21 — CORPORATE STRUCTURE**

This section is to be answered by corporations only. Answer both items. A family-held corporation has more than 50 percent of its stock owned by persons related by blood or marriage.

► **Section 22 — CHARACTERISTICS AND OCCUPATION OF OPERATOR**

This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge for the type of organization reported in section 20.

**For Family or Individual Operation** — Complete this section for the operator.

**For Partnership Operations** — Answer all items, except item 2, for the "Senior Partner." The "Senior Partner" is the individual who is mainly responsible for the agricultural operations on "this place," not necessarily the person senior in age. If each partner shares equally in the day-to-day management decisions, consider the oldest as the "Senior Partner." For item 2 (Principal Occupation) consider all members of the partnership together. Please include as "farming" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

**For Corporations and Other Operations (Cooperatives, Estates, etc.)** — Complete section 22 for the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

**Item 4 — Year Began Operation** — Report the first year the operator or senior partner began to operate any part of "this place" on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.

► **Section 23 — PRODUCTION EXPENSES paid by you and others for "this place" in 1987**

Include farm production expenses paid by you, your landlord, contractors, or anyone else for crops, livestock, or poultry produced on "this place." Include expenses incurred in 1987 even if they were not paid for in 1987. Please estimate if exact figures are not known. Refer to the individual expenditure items below for further explanations.

**Livestock and Poultry Purchased** — Report the cost of cattle, calves, hogs, sheep, pigs, lambs, horses, goats, chicks, pullets, poults, etc., including breeding stock and dairy cows. Contract growers or custom feeders who did not own or purchase the livestock or poultry themselves should estimate the value of the cattle, calves, pigs, baby chicks, pullets, etc. at the time they came onto the place.

**Feed Purchased for Livestock and Poultry** — Report the purchase cost of corn, sorghum, oats, barley, other grains, silage, hay, mixed feed, concentrates, etc., fed to livestock and poultry on "this place." Contract livestock and poultry growers should estimate the value of feed provided by the contracting company. Custom feedyards should include feed costs for all cattle fed even if the owners of the cattle were billed for the feed. Feed raised on "this place" should not be reported as purchased.

**Cost of Hired Farm and Ranch Labor** — Include gross salaries and wages, commissions, dismissal pay, vacation pay, and paid bonuses paid to hired workers, family members, hired managers, administrative and clerical employees, and salaried corporate officers. Also, include supplemental cost for benefits such as employer's social security contributions, unemployment compensation, workmen's compensation insurance, life and medical insurance, pension plans, etc.

**Contract Labor** — Includes the labor costs of workers furnished on a contract basis by a labor contractor, crew leader, or cooperative for harvesting vegetables or fruit, shearing sheep, or similar farm activities. Do not include costs for building or repair work done by a construction contractor. Include the cost of customwork or machine hire in item 11.

**Repair and Maintenance Expenses for the Upkeep of Buildings, Motor Vehicles, and Farm Equipment** — Include the cost of repairs and upkeep of farm machinery, vehicles, buildings, fences, and other equipment used in the farm business. Do not include repairs to vehicles not used in the farm business or for equipment used only for performing customwork for others. Do not include expenditures for the construction of new buildings or the cost of additions to existing buildings.

**Interest Expense Paid on Debts** — Report all interest expenses paid in 1987 for the farm business. Include interest on loans secured by land and buildings (real estate) in item 12a. Include all loans not secured by real estate such as for fertilizer, feed, and seed in item 12b. Include interest paid on CCC loans. Do not include interest associated with activities not related to production of crops or livestock on "this place" such as land or buildings rented to others, packing sheds, or feed mills that provide services to others. Do not include interest on owner/operator dwelling where amount is separated from interest on other land and buildings on "this place."

**Cash Rent Paid for Land and Buildings In 1987** — Report rent paid in cash during 1987 for land and buildings in "this place." Do not include rent paid for operator dwelling or other nonfarm property. Do not include the value of shares of crops or livestock paid to landlords.

**Property Taxes Paid** — Include real estate property taxes you paid on the acres and buildings you operated and used in the farm business.

Do not include:

- a. Property taxes on land or buildings rented to someone else
- b. Taxes paid by landlords
- c. Property taxes paid on other property not associated with the farm business
- d. Income and excise taxes

**All Other Production Expenses** — Farm production costs not previously listed should be reported here. In addition to items listed on the report form, include bookkeeping charges, tax preparation fees, postage, advertising, commission for sale of cattle, and fees paid for farm-related advice or for farm consultants. Do not include depreciation or expenditures for the purchase of land and buildings or new or used machinery.

► **Section 24 — COMMERCIAL FERTILIZER AND LIME**

Report acres on which commercial fertilizer (items 1 and 2) or lime (item 3) was applied during 1987. If any acreage was fertilized or limed more than once, report acres ONLY ONCE in each item. Report expense for commercial fertilizer purchased, excluding lime, in section 23, item 4.

► **Section 26 — MACHINERY AND EQUIPMENT**

The estimated market value in item 1 refers to ALL machinery and equipment kept primarily on "this place" and used for the farm business. Report the value in its present condition, not the replacement or depreciated value. Specialized equipment, which is an integral part of a building, should be included as a part of the value of land and buildings.

► **Section 27 — ESTIMATED CURRENT MARKET VALUE OF LAND AND BUILDINGS**

The value for each of the three listed categories should be your estimate of the value of the land and buildings if they were sold in the current market. The real estate tax assessment value should not be used unless that value represents a full market value assessment and the land and buildings could reasonably be assumed to be sold at that price. Do not deduct real estate marketing charges from your estimate. Report the total value, not the value on a per acre basis.

► **Section 28 — INCOME FROM FARM — RELATED SOURCES IN 1987**

Item 1 through 4 refer only to those income producing activities for which you use part of the land, machinery, equipment, labor, or capital normally used on "this place," and which you do not consider as entirely separate from your farming activities. Report gross amounts received before taxes and expenses.

**Item 1 — Customwork** — Do not report income for customwork or agricultural services provided to others if operated as an entirely separate business from your agricultural operations.

**Item 2 — Rental Income** — Do not include rental income from nonfarm property.

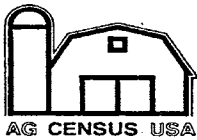
**Item 3 — Forest Products** — Include only those forest products or Christmas trees cut from "this place," not items cut from other nonfarm timber acreage. Do not include income from saw mill business.

**Item 4 — Other Farm-Related Income** — Include income from hunting leases, fishing fees, and other recreational services, sales of farm by-products, and other business or income closely related to the agricultural operation on "this place." Include dividends for business done with farmer-owned cooperatives. Do not enter previously reported farm sales or income from investments not associated with the farm. Do not include retirement pensions or social security benefits received.

FORM 87-A0400 (3-13-87)

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

NOTICE - Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.



UNITED STATES CENSUS OF AGRICULTURE

In correspondence pertaining to this report, please refer to your Census File Number (CFN)

87-A0400

Please complete this form and RETURN TO

BUREAU OF THE CENSUS 1201 East Tenth Street Jeffersonville, IN 47133

Note - If your records are not available, reasonable estimates may be used. If you cannot file by February 1, a time extension request may be sent to the above address. Include your 12-character Census File Number (CFN) as shown in your address label in all correspondence to us.

Table for reporting multiple forms: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

Table with columns for CENSUS USE ONLY (035-042) and corresponding values.

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

SECTION 1

- 1. At any time during 1987, did you plant, grow, or have any: Hay or tobacco? Corn, wheat, or other grains? Other crops?
2. At any time during 1987, did you raise, sell, or keep any: Cattle, hogs, sheep, or goats? Chickens or other poultry? Bees?

If you answered YES to EITHER of these questions, go to SECTION 2. If you answered NO to BOTH of these questions, go to SECTION 10.

SECTION 2

ACREAGE IN 1987 Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization for which you are reporting. Include ALL LAND, REGARDLESS OF LOCATION OR USE - cropland, pastureland, rangeland, woodland, idle land, house lots, etc.

Form for Section 2: Acreage in 1987. Includes questions 1-6 regarding land ownership, rental, and county value.

SECTION 3 LAND USE and IRRIGATION

PART A - How were the ACRES in this place used in 1987?

Form for Section 3 Part A: Land use in 1987. Includes questions 1-5 about cropland harvested, failed, idle, used for pasture, and other woodlands.

PART B - IRRIGATION

Form for Section 3 Part B: Irrigation. Includes questions 1-2 about irrigated and pastureland acres.

PENALTY FOR FAILURE TO REPORT

SECTION 4

PART A - CROPS HARVESTED from "THIS PLACE" in 1987. (Do not include crops grown on land rented to others.)

Form for Section 4 Part A: Crops Harvested. Includes tables for hay crops, corn, soybeans, wheat, tobacco, potatoes, vegetables, fruit, and other crops.

Table for crop codes: Crop name, Code, Crop name, Code. Includes entries for Barley, Corn, Cotton, Oats, Sorghum, and Other crops.

PART B - NURSERY and GREENHOUSE CROPS GROWN FOR SALE on "THIS PLACE" in 1987

Form for Section 4 Part B: Nursery and Greenhouse Crops. Includes table for crop name, code, square feet, and sales in 1987.

CONTINUE ON REVERSE SIDE

**SECTION 6A LIVESTOCK and POULTRY**

**PART A - CATTLE and CALVES**

None		INVENTORY Number on this place Dec. 31, 1987	
1. CATTLE and CALVES of all ages	<input type="checkbox"/>	803	Total
a. BEEF COWS - Include beef heifers that had calved.	<input type="checkbox"/>	804	Beef cows
b. MILK COWS kept for production of milk or cream for sale or home use - Include dry milk cows and milk heifers that had calved.	<input type="checkbox"/>	805	Milk cows
None		Gross value of sales	
		Dollars	Cents
2. Value of DAIRY PRODUCTS sold in 1987 - Include milk, cream, butter, etc.	<input type="checkbox"/>	814	\$ 00
None		Gross value of sales	
		Dollars	Cents
3. Calves less than 500 pounds	<input type="checkbox"/>	808	\$ 00
4. Cattle - Include calves 500 pounds or more	<input type="checkbox"/>	810	\$ 00
a. Of ALL cattle sold, how many were FATTENED on this place on GRAIN or CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?	<input type="checkbox"/>	812	\$ 00

**PART B - HOGS and PIGS**

None		INVENTORY Number on this place Dec. 31, 1987	
1. HOGS and PIGS of all ages	<input type="checkbox"/>	815	Total
a. HOGS and PIGS used or to be used for breeding	<input type="checkbox"/>	816	Breeding
None		Gross value of sales	
		Dollars	Cents
2. HOGS and PIGS SOLD from this place in 1987	<input type="checkbox"/>	820	\$ 00
3. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?	<input type="checkbox"/>	822	\$ 00

**PART C - SHEEP and LAMBS**

None		INVENTORY Number on this place Dec. 31, 1987		NUMBER SOLD in 1987	
1. SHEEP and LAMBS of all ages	<input type="checkbox"/>	824	825		
a. EWES 1 year old or older.	<input type="checkbox"/>	826			
2. SHEEP and LAMBS SHORN in 1987	<input type="checkbox"/>	827	828	Number	Pounds wool
None		Gross value of sales			
		Dollars	Cents		
3. What was the gross value of sales of SHEEP, LAMBS, and WOOL from this place in 1987?	<input type="checkbox"/>	829	\$ 00		

**PART D - POULTRY**

None		INVENTORY Number on this place Dec. 31, 1987		Number sold in 1987	
1. HENS and PULLETS	<input type="checkbox"/>	892	893		
a. HENS and PULLETS of laying age	<input type="checkbox"/>	894	895		
b. PULLETS 3 months old or older not yet of laying age for layer replacement	<input type="checkbox"/>	896			
c. PULLETS under 3 months old for layer replacement	<input type="checkbox"/>	898	899		
2. BROILERS, fryers, other meat-type chickens	<input type="checkbox"/>	900	901		
3. TURKEYS for slaughter (Do not include breeders.)	<input type="checkbox"/>				
4. OTHER POULTRY (Enter name/code from below.)					
Poultry name		Code			
Turkey hens kept for breeding	902	Geese	906	Quail	912
Ducks	904	Pigeons or squab	908	All other poultry - Specify	914
None		Gross value of sales			
		Dollars	Cents		
5. Value of POULTRY and POULTRY PRODUCTS (eggs, etc.) sold from this place in 1987?	<input type="checkbox"/>	916	\$ 00		

**PART E - HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, and FISH**

None		INVENTORY Number on this place Dec. 31, 1987		Total quantity sold in 1987		Gross value of sales	
						Dollars Cents	
1. Horses and ponies of all ages	<input type="checkbox"/>	830	831	832	\$	00	
2. Colonies of bees	<input type="checkbox"/>	839	840	841	\$	00	
3. Milk goats	<input type="checkbox"/>	843	844	845	\$	00	
4. Angora goats	<input type="checkbox"/>	847	848	849	\$	00	
5. Other livestock, fish, animal products. (Enter name/code from below.)				1	2	\$	00
Name		Code		Quantity			
Name/code		Name/code		Name/code			
Mules, burros, donkeys		833		Rabbits and their pelts		854	
Mink and their pelts		836		Other goats		851	
				Other livestock, fish, and their products		857	

**SECTION 6B GOVERNMENT CCC LOANS**

Amount received in 1987 from Government CCC loans. Include regular and reserve loans, even if redeemed or forfeited.

None		Dollars		Cents	
		884	\$	00	

**SECTION 6C Payments received for participation in FEDERAL FARM PROGRAMS in 1987 (DO NOT INCLUDE CCC loans.)**

None		Dollars		Cents	
1. Amount received in cash	<input type="checkbox"/>	884	\$	00	
2. Value of certificates received - payment-in-kind (PIK) or commodity certificates	<input type="checkbox"/>	885	\$	00	

**SECTION 6D Acres in this place SET ASIDE, DIVERTED, or IDLED under FEDERAL acreage reduction programs in 1987**

None		Number of acres	
1. How many acres were set aside (or diverted) under ANNUAL commodity acreage adjustment programs?	<input type="checkbox"/>	882	
2. How many acres were under the CONSERVATION RESERVE PROGRAM (10 year, CRP)?	<input type="checkbox"/>	883	

**SECTION 6E CHARACTERISTICS and OCCUPATION OF OPERATOR (Solo or partner or person in charge)**

1. RESIDENCE - Does the operator live on this place?  Yes  No

2. PRINCIPAL OCCUPATION - At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 1987? For partnerships consider all members of the partnership together.

1  Farming 2  Other or ranching

3. OFF-FARM WORK - How many days did the operator work at least 4 hours per day off this place in 1987? - Include work at a nonfarm job, business, or on someone else's farm for pay. (Do not include exchange farmwork.)

1  None  
2  1-49 days  
3  50-99 days  
4  100-149 days  
5  150-199 days  
6  200 days or more

4. In what YEAR did the operator begin to operate any part of this place? \_\_\_\_\_ Year

5. AGE of operator \_\_\_\_\_ Years old

6. RACE of operator

1  White  
2  Negro or Black  
3  American Indian  
4  Asian or Pacific Islander  
5  Other - Specify \_\_\_\_\_

7. SEX of operator 1  Male 2  Female

8. SPANISH ORIGIN - Is the operator of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)?  Yes  No

**SECTION 6F PERSON COMPLETING THIS REPORT - Please print**

Name \_\_\_\_\_ Date \_\_\_\_\_

Telephone number \_\_\_\_\_ Area code \_\_\_\_\_ Number \_\_\_\_\_

# INFORMATION SHEET

## 1987 UNITED STATES CENSUS OF AGRICULTURE

### Special Reporting Instructions

#### 1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, tenants, partnerships, corporations, institutions, and THOSE NOT CONDUCTING AGRICULTURAL OPERATIONS. Each case included in the census has a unique Census File Number (CFN). In order to make the census results as complete and accurate as possible, we need to obtain information about every CFN.

#### 2. If You Received More Than One Report Form for an Operation

Complete only ONE report form for an operation. Write "Duplicate" near the address label of each extra report form. Also, write the 11-digit census file number(s) of the DUPLICATE report(s) ON THE COMPLETED REPORT in the space provided to the left of the address label. Return the extra report(s) in the same envelope with your completed report form so that we can correct our records.

#### 3. If You No Longer Farm

If you had agricultural operations at any time during 1987, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

Explain on the first page of the report form (or on a separate sheet of paper) that you quit farming or ranching and give the approximate date and the name and address of the present operator, if known.

#### 4. If You Never Farmed or Have No Association With Agriculture

Please write a note on the report form near the address label explaining this and return the form so that we can correct our records. In our efforts to make the census as complete as possible, we obtained lists from various sources. We tried to eliminate duplicate and nonfarm addresses, however, it was not always possible to do so.

#### 5. If You Have More Than One Agricultural Operation

Complete a report form for EACH SEPARATE and DISTINCT production unit, i.e., each individual farm, ranch, feedlot, greenhouse, etc., or combination of farms, etc., for which you maintain SEPARATE records of operating expenses and sales, livestock and other inventories, crop acreages, and production.

#### 6. If You Have a Partnership Operation

Complete only ONE report for the entire partnership's agricultural operation and include all partners' shares on the one report. If members of the partnership also operate separate farms or ranches in addition to the partnership farming operation, separate report forms should be completed for each individual operation.

If two or more report forms were received for the same operation, mark each additional form as a "Duplicate." Return the duplicate report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "(Name of partner) has completed a report for the partnership (provide name and CFN of partnership)."

#### 7. Landlord's or Contractor's Share

If you rented or leased land from others or had a contract for the production of agricultural products, include both your share and the landlord's or contractor's share of the production, sales, and expenses so your census report form will be complete for "THIS PLACE."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE. If you do not have records available for all data items, use your best estimate.

#### 8. How to Enter Your Response

Enter your replies in the proper spaces, on the correct lines, and in the units requested, i.e., dollars, bushels, tons, etc. Write any explanation outside the answer spaces or on a separate sheet of paper. All dollar figures may be entered in whole dollars. CENTS ARE NOT REQUIRED.

Enter whole numbers except where tenths are requested, such as acres of potatoes harvested. If you have 1/2, 1/3, or 1/4 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10.

The census report form will contain sections and questions which do not apply to you. When this occurs, mark the "None" or "No" box and go on to the next item or section.

### Instructions For Specified Sections

#### ► Section 2 — ACREAGE IN 1987

Your answers to this section will determine the land (Acres in "THIS PLACE") referred to in the rest of the report form.

When answering the acreage questions, include the land associated with your agricultural operations in 1987 whether in production or not. Include all land that you owned or rented during 1987 even if only for part of the year. Do not include any unrelated residential or commercial land.

Report all land in section 2 in whole acres.

**Item 1 — All Land Owned** — Report all land owned in 1987 whether held under title, purchased contract or mortgage, homestead law, or as heir or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

**Item 2 — All Land Rented or Leased FROM OTHERS** — Report all land rented by you or your operation even though the landlord may have supplied materials or supervision.

INCLUDE in item 2:

- a. Land for agricultural use that you rented from others for cash
- b. Land you worked on a share basis (crop or livestock)
- c. Land owned by someone else that you used rent-free
- d. Federal, State, Indian reservation, or railroad land rented or leased by the acre

DO NOT INCLUDE in item 2:

Land used on a per-head or animal unit license or permit basis, such as section 3 of the Taylor Grazing Act, National Forest, or Indian reservation permit land.

**Item 3 — All Land Rented or Leased TO OTHERS** — Include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. A report form will be obtained from each of your tenants to cover the operations on that land.

INCLUDE in item 3:

- a. Owned land rented to others for cash or a share of crops or livestock
- b. Land you rented from someone and then subleased to someone else
- c. Land worked for you by someone for a share of crops or livestock
- d. Land which you allowed others to use rent-free

**Item 4 — Acres in "THIS PLACE"** — This figure will show the total of all land you operated at any time in 1987.

If item 4, Acres in "THIS PLACE" is "0" and:

- a. You raised any crops or had any livestock or poultry on "THIS PLACE" in 1987, complete the report.
- b. All your land was operated by a renter or sharecropper, skip to and complete section 10, and explain briefly, "All land rented out," etc. Mail form in return envelope.
- c. You did not have any agricultural activity on owned or rented land in 1987, complete section 10 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

#### ► Section 3 — LAND USE AND IRRIGATION

This section is used to classify the acres in "THIS PLACE" reported in section 2, item 4. Do not include any acres you rented to others reported in section 2, item 3. The sum of the acres entered in various categories should equal total acres in "THIS PLACE."

**Land Used for More Than One Purpose** — Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you harvested a crop and later used the same land for pasture, report the land in part A, item 1, "Cropland harvested."

**Double Cropping** — When more than one crop was harvested from the same land in 1987, report that land only ONCE as "Cropland harvested," in part A, item 1 of this section.

**Interplanted Crops** — If you interplanted crops, such as cotton in an orchard, report the total land used for both crops only ONCE, as "Cropland harvested," in part A, item 1.

**Skip Row Planted Crops** — Report the acres that represent the total nonplanted or skipped rows as "Cropland idle," part A, item 3, the acres that represent the planted rows should be reported as "Cropland harvested," part A, item 1.

**Irrigation is defined as land watered by artificial or controlled means** — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that receive supplemental, partial, and/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation.

#### ► Section 4 — CROPS

This section provides space for reporting crops harvested during the 1987 crop year from the land shown in section 2, item 4 (Acres in "THIS PLACE") of your report. A few crops are already listed on the form. For these crops, just report acres harvested, quantity harvested, and value of sales. If you produced crops not listed, write the name of the crop and code from the list provided and report the acres harvested, quantity harvested, and the value of sales.

**DO NOT INCLUDE:**

- a. Any crops grown on land rented or leased TO OTHERS, or worked by others on shares during 1987.
- b. Crops or crop products purchased from others and later sold.

**Acres Harvested** — Enter the acres harvested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as potatoes.

**Quantity Harvested** — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and the estimated quantity to be harvested.

**Gross Value of Crops Sold** — Report the value of all crops sold from "THIS PLACE" in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross value before deducting expenses and taxes. Include Government CCC loans received for "THIS PLACE" in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on "THIS PLACE."

**Item 7 — Vegetables** — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

**Item 8 — Fruit Orchards, Citrus, Vinoyards, and Nut Trees** — Report only if total of 20 or more trees and vines. Include those for home use as well as those maintained for sale of their production. Acres in trees and vines that have been abandoned should not be included, these acres should be included in section 3, part A, item 3 "Cropland idle."

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in item 8 and the total acres of the interplanted crop in the appropriate item.

**Item 9 — Other Crops** — To report: (1) find the crop name and the code number from the list under item 9; (2) enter crop name and code in the first two columns of the first available answer line under item 9; (3) enter the information that is requested in the remaining columns. If you harvested a crop not listed, use the "OTHER" code and specify the crop name. If you need additional space, use a separate sheet of paper to write the crop name(s), acres and quantity harvested, and gross value of crop(s) sold.

▶ **Section 5 — LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES**

**Parts A, B, C, and D — LIVESTOCK AND POULTRY**

**Animals and Poultry to Include in the Report** — Report all animals, poultry, and animal specialties on "this place" (section 2, item 4) on December 31, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, National Forest land, district land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis. Animals in transit on December 31, 1987, or animals on a short-term pasture (such as wheat pasture or crop residue) on a per-head or lease basis should be reported by the person who had control of the animals.

**Animals and Poultry to Exclude from the Report** — Do not report animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Do not include animals quartered in feedlots which are not a part of "this place." Animals kept on a place not operated by you are to be included on the report for that place.

**Animals Bought and Sold** — DO NOT REPORT ANY ANIMALS BOUGHT AND THEN RESOLD WITHIN 30 DAYS. Such purchases and sales are considered "dealer" transactions, and are not included in this census.

**Number Sold** — Report all animals and poultry sold or removed from "this place" in 1987, without regard to ownership or who shared in the receipts. Include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do NOT report number sold for any livestock or poultry kept on another place.

**Dairy Termination Program or "Whole-Herd Dairy Buy-Out Program"** — The amount received in 1987 from the Government under the dairy termination program should be included in section 7, item 1. Dairy cattle and calves sold should be reported in section 5, part A.

**Animals Moved to Another Place** — For animals moved from "this place" to another place, such as for further feeding, report animals as "sold" and give your best estimate of their market value when they left "this place."

**Fat Cattle Sold** — Cattle fattened on grain or concentrates for 30 days or more and sold for slaughter are reported in section 5, part A, item 4a.

**DO NOT INCLUDE WITH FATTENED CATTLE SOLD:**

- a. Cattle and calves sold for further feeding
- b. Dairy cows fed only the usual dairy ration before being sold
- c. Veal calves, or any calves weighing less than 500 pounds

**Value of Sales** — Report the total gross value of animals and poultry sold or removed from "this place" in 1987 without deducting production or marketing expenses (cost of feed, cost of livestock purchase, cost of hauling and selling, etc.). If the sale price or market value is not known, give your best estimate of their market value when they left "this place." Do NOT report the value of sales of any livestock and poultry owned by you but kept and sold from a place you did not operate.

**Contract and Custom Feeding Operations** — Livestock or poultry kept by you on "this place" on a contract or custom basis should be included on this report REGARDLESS OF OWNERSHIP. Report as "INVENTORY" numbers of animals or poultry on the place on December 31, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. If the sale price or market value is not known, give your best estimate of the market value of the animals or poultry when they left the place.

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owned the birds. Report as sold the number of poultry that were taken or moved from the place in 1987.

**Part E — HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, AND FISH**

**If you owned BEES** — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold, and value of sales.

**Other Livestock and Livestock Products** — Include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory.

**Fish and Other Aquaculture Products** — Report quantity sold and gross value of sales for each.

▶ **Section 6 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS**

**Item 1** — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

▶ **Section 7 — FEDERAL PAYMENTS RECEIVED**

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such as deficiency payments, "Whole-Herd Dairy Buy-Out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for approved soil and water conservation projects, etc.

▶ **Section 8 — ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987**

Include in item 2 all acres in "this place" retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

▶ **Section 9 — CHARACTERISTICS AND OCCUPATION OF OPERATOR**

This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge.

**For Family or Individual Operation** — Complete this section for the operator.

**For Partnership Operations** — Answer all items, except item 2, for the "Senior Partner." The "Senior Partner" is the individual who is mainly responsible for the agricultural operations on "this place," not necessarily the person senior in age. If each partner shares equally in the day-to-day management decisions, consider the oldest as the "Senior Partner." For item 2 (Principal Occupation) consider all members of the partnership together. Please include as "farming or ranching" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

**For Corporation and Other Operations (Cooperatives, Estates, etc.)** — Complete section 9 for the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

**Item 4 — Year Began Operation** — Report the first year the operator or senior partner began to operate any part of "this place" on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.





# INDEX

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>A</b>			<b>B—Con.</b>		
Abnormal farms.....	19	-	Bluegrass seed, Kentucky.....	44	26
Acreage reduction program.....	7,10,48-53	5	Boysenberries.....	-	29
Age of operator.....	1,16,48-53	1,10,16	Breeding hogs and pigs.....	32,48-53	12,16
Agricultural products sold, market value.....	1,2,10,18,47,48-53	1,2,16	Broccoli.....	-	27
Agricultural services income.....	5,48-53	4	Broilers.....	1,20-22,48-53	1,14,16
Alfalfa hay.....	43,44,48-53	26	Bromegrass seed.....	-	26
Alfalfa seed.....	43,44	26	Brussels sprouts.....	-	27
Almonds.....	45,48-53	28	Buckwheat.....	-	24
American Indian operator.....	17	34	Bulbs.....	46	30
Angora goats.....	41	18	Bulls, bull calves, steers, and steer calves.....	20,25,48-53	11,16
Apples.....	45,48-53	28	Burros, donkeys, and mules.....	41	23
Apricots.....	42	28	<b>C</b>		
Aquacultural products ..	41	21	Cabbage.....	-	27
Artichokes.....	-	27	Cantaloups.....	44	27
Asian or Pacific Islander operator.....	17	34	Carrots.....	-	27
Asparagus.....	-	27	Cash, government farm programs payments ...	5	4
Assets, value.....	1,10-12,18, 47,48-53	1,5,8,16	Cash rent, expenses....	3,10,48-53	3,16
Austrian winter peas....	-	26	Cash rent or share payments received, farm-related income ...	5,48-53	4
Avocados.....	45	28	Catfish sales.....	-	21
<b>B</b>			Cattle and calves.....	1,10,20,25,27,47, 48-53	1,11,16
Bahia grass seed.....	-	26	Cattle and calves sales, value.....	2,20,26,31,47, 48-53	2,11,16
Balers, pickup.....	13,48-53	8	Cauliflower.....	-	27
Bananas.....	45	28	Celery.....	-	27
Barley for grain.....	1,42-44,48-53	1,15,16,24	Certificates, govern- ment farm programs payments.....	5	4
Barley for grain sales, value.....	2,48-53	2,16	Chemicals, expenses ...	1,3,10,15,47,48-53	3,16
Beans, dry edible.....	42-44,48-53	15,16,25	Chemicals used.....	15,48-53	9
Beans, dry lima.....	-	25	Cherries.....	45,48-53	28
Beans, green lima.....	-	27	Chickens 3 months old or older.....	1,20,21,23,48-53	1,14
Beans, snap (bush and pole).....	44,48-53	27	Chicory.....	-	27
Beans, soybeans.....	1,42-44,48-53	1,15,16,25	Chinese cabbage.....	-	27
Bedding plants.....	46	30	Chinese or ming peas ..	-	27
Beef cows.....	1,20,25,29,48-53	1,11,16	Christmas trees and forest products sales, farm-related income ...	5,48-53	4
Bees, colonies.....	41	20	Citrus fruit.....	45,48-53	28
Beets, sugar.....	42-44,48-53	1,15,16,25	Clover seed.....	-	26
Beets, table.....	-	27	Coffee.....	45	28
Bentgrass seed.....	-	26	Collards.....	-	27
Bermuda grass seed....	-	26	Colonies of bees.....	41	20
Berries.....	42,44,48-53	29	Combines, grain and bean, all types.....	13,48-53	16
Birdsfoot trefoil seed ...	-	26			
Blackberries.....	-	29			
Black operators and other races.....	16,17,48-53	32-34			
Blueberries.....	44	29			

# INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>C—Con.</b>			<b>D</b>		
Commercially mixed formula feed purchased..	1,3,48-53	3,16	Daikon .....	-	27
Commodity Credit Corporation loans.....	6,10,48-53	4	Dairy cows (milk cows) .	1,10,20,25,30,47,48-53	1,11,16
Conservation reserve programs .....	7,10,48-53	5	Dairy products sales, value.....	2,47,48-53	2,11,16
Contract labor expenses	3,10,48-53	3,16	Dates .....	-	28
Corn, field .....	1,42-44,48-53	1,15,16,24,31	Dewberries .....	-	29
Corn for grain sales, value.....	2,48-53	2,16	Diesel fuel expenses ...	14,48-53	3
Corn, sweet .....	44,48-53	27	Dill for oil .....	-	31
Corn, sweet, for seed...	-	31	Disease control in crops and orchards....	15,48-53	9
Corporation, family held.....	16,48-53	10,16	Donkeys, burros, and mules.....	41	23
Corporation, nonfamily held .....	16,48-53	10,16	Ducks.....	-	14,22
Corporation, type of organization .....	1,16,48-53	-	Ducks, geese, and other poultry .....	21	14,22
Cotton .....	1,42,44,47,48-53	1,15,16,25	<b>E</b>		
Cotton sales, value .....	2,47,48-53	2,16	Eggplant .....	-	27
Cottonpickers and strippers .....	13,48-53	8	Electricity expenses.....	10,47,48-53	3
Cowpeas for dry peas ..	-	25	Emmer and spelt.....	-	24
Cowpeas, green.....	-	27	Endive .....	-	27
Cows and heifers that had calved .....	20,25,48-53	11,16	Equipment and machinery .....	1,10,12,18,47,48-53	1,8,16
Cranberries .....	44	29	Escarole .....	-	27
Cropland diverted, set aside.....	7,10,48-53	5	Ewes 1 year old or older .....	38	13
Cropland for cover crops, legumes, and soil-improvement grasses..	7,48-53	5	Expenses, farm production.....	1,3,10,47,48-53	1,3,16
Cropland harvested.....	1,7,8,10,16,18,42,47,48-53	1,3,5,6,10,15,16	<b>F</b>		
Cropland harvested, irrigated.....	8-10	7	Family held corporations.....	48-53	10,16
Cropland idle .....	7,48-53	5	Family or individual, type of organization ...	1,16,48-53	10,16
Cropland in cultivated summer fallow .....	7,48-53	5	Farm-related income....	5,48-53	4
Cropland on which all crops failed.....	7,48-53	5	Farms by age and principal occupation of operator .....	16,48-53	10,16
Cropland pastured .....	7,48-53	5	Farms by size of farm ..	8,47,48-53	6,16
Cropland total .....	1,7,10,47,48-53	1,5,16	Farms by standard industrial classification	18,48-53	16
Crops, farms reporting, acres, production .....	42	15,16	Farms by tenure of operator .....	16,48-53	10,16
Cucumbers .....	44	27	Farms by type of organization .....	1,16,48-53	10,16
Currants .....	-	29	Farms by value of agricultural products sold .....	1,2,10,18,47,48-53	1,2,16
Customwork, machine hire, and rental of machinery and equipment, expenses.....	3,10,48-53	3,16	Farms, number.....	1,7,8,10,16,18,47,48-53	1,5,10,16
Customwork and other agricultural services, farm-related income ...	5,48-53	16	Fattened cattle sales ...	26,29,31,48-53	11,16
			Feed purchased.....	1,3,47,48-53	3,16

# INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>F—Con.</b>			<b>G—Con.</b>		
Feeder pigs sales.....	20,33,35-37,48-53	12	Grapes.....	45,48-53	28
Female operators.....	16,17,48-53	10	Grass silage, haylage, and green chop hay ...	43,44	26
Fertilizer applied.....	15,48-53	9	Grazing permits.....	-	36
Fertilizer expenses.....	3,10,15,47,48-53	3,16	Grease, LP gas, fuel oil, kerosene, motor oil, etc., expenses.....	14,48-53	3
Fescue seed.....	44	26	Greenhouse crops.....	42,46	30
Field seed crops.....	44,48-53	26	Greenhouse vegetables	46	30
Figs.....	-	28	Guar.....	-	31
Filberts.....	45	28	Guavas.....	45	28
Fish sales.....	41	21	<b>H</b>		
Flaxseed.....	42,44,48-53	24	Hatcheries.....	-	22
Florist greens and flowers, cut.....	46	30	Hay crops.....	1,42-44,48-53	1,15,16,26
Flower and vegetable seeds.....	46	30	Hay, silage, and field seeds sales, value.....	2,47,48-53	2,16
Flowering plants, potted.....	46	30	Haylage, grass silage, and green chop hay.....	43,44	26
Flowers and florist greens, cut.....	46	30	Hazelnuts.....	45	28
Foliage plants.....	46	30	Heifers and heifer calves.....	20,25,48-53	11,16
Forest products and Christmas trees sales, farm-related income ...	5,48-53	4	Hens and pullets of laying age.....	20,21,48-53	14,16
Foxtail millet seed.....	-	26	Herbs.....	-	31
Fruit crops.....	45	15,16,28	Hired farm labor expenses.....	3,10,47,48-53	3,16
Fruits, nuts, and berries sales, value.....	2,47,48-53	2,16	Hogs and pigs.....	1,10,20,32,35,47, 48-53	1,12,16
Fuel oil, kerosene, motor oil, grease, LP gas, etc., expenses.....	14,48-53	3	Hogs and pigs sales, value.....	2,20,33,36,47,48-53	2,12,16
Full owners.....	16,48-53	10,16	Hogs, litters farrowed...	34,37,48-53	12
<b>G</b>			Honey sales.....	41	20
Garlic.....	-	27	Honey tangerines.....	-	28
Gas, natural, expenses.	14,48-53	3	Honeydew melons.....	-	27
Gasoline and other petroleum fuel and oil expenses.....	14,48-53	3,16	Hops.....	44	31
Gasoline expenses.....	14,48-53	3	Horses and ponies.....	20,41,48-53	13
Geese.....	-	22	<b>I</b>		
Geese, ducks, and other poultry.....	41	14,22	Income from farm-related sources.....	5,48-53	10
Ginger root.....	-	31	Income, see net cash return.....	4,48-53	4
Goat milk sales.....	41	17	Individual or family, type of organization.....	1,16,48-53	10,16
Goats.....	41,48-53	23	Insects, chemical control.....	15,48-53	9
Goats, Angora.....	41	23	Interest, debt not secured by real estate.....	3,48-53	3
Goats, milk.....	41	17	Interest, debt secured by real estate.....	3,48-53	3
Goats, other.....	41	23	Interest expenses.....	1,3,10,47,48-53	3,16
Government farm programs payments ...	5,10,47,48-53	4			
Grain hay.....	43,44	26			
Grain sales, value.....	2,47,48-53	2,16			
Grains.....	44,48-53	16			
Grapefruit.....	45	28			

# INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>I—Con.</b>			<b>M</b>		
Irish potatoes.....	1,42-44,48-53	1,15,16,25	Macadamia nuts .....	45	28
Irrigated farms and acres .....	1,8-10	1,7	Machine hire, rental of machinery and equipment, and customwork expenses.....	3,10,48-53	3,16
<b>J</b>			Machinery and equipment.....	1,10,12,18,47,48-53	1,8,16
Jojoba .....	-	31	Male operators .....	16,17,48-53	10
<b>K</b>			Mangoes.....	-	28
Kale.....	-	27	Melons.....	-	27
Kentucky bluegrass seed .....	44	26	Milk cows (dairy cows) .	1,10,20,25,30,47,48-53	1,11,16
Kerosene, motor oil, grease, LP gas, fuel oil, etc., expenses .....	14,48-53	3	Milk goats .....	41	17
Kiwifruit .....	-	28	Millet, proso .....	44	24
Kumquats.....	-	28	Millet seed, foxtail.....	-	26
<b>L</b>			Mink and their pelts.....	41	19
Labor expenses.....	1,3,10,47,48-53	3,16	Mint for oil.....	44	31
Land and buildings, value.....	1,10,11,47,48-53	5,16	Mohair sales.....	41	18
Land in farms .....	1,7,8,10,16,18,47,48-53	1,5,10,16	Motor oil, grease, LP gas, fuel oil, kerosene, etc., expenses .....	14,48-53	3
Land owned .....	10,48-53	-	Motortrucks, including pickups .....	13,48-53	8,16
Land rented from others .....	48-53	-	Mower conditioners.....	13,48-53	8
Land rented to others ..	48-53	-	Mules, burros, and donkeys .....	41	23
Land set aside in federal farm programs .....	7,10,48-53	1	Mungbeans for beans ..	-	31
Land use .....	7,8,10,47,48-53	5	Mushrooms.....	46	30
Lemons.....	45	28	Mustard cabbage .....	-	27
Lentils.....	44	25	Mustard greens .....	-	27
Lespedeza seed .....	-	26	Mustard seed.....	-	24
Lettuce and romaine....	44	27	<b>N</b>		
Lima beans, dry.....	-	25	Natural gas expenses ..	14,48-53	3
Lima beans, green.....	-	27	Nectarines.....	-	28
Lime applied.....	15,48-53	9	Nematode control in crops .....	15,48-53	9
Limes .....	-	28	Net cash return from agricultural sales.....	4,48-53	4
Litters farrowed .....	34,37,48-53	12	Nonfamily held corporations.....	16,48-53	10,16
Livestock and livestock products sold .....	20	-	Number of farms.....	1,7,8,10,16,18,47,48-53	1,5,10,16
Livestock and poultry... ..	20	1,16	Nursery and greenhouse crops .....	42,46	30
Livestock and poultry purchased .....	1,3,10,47,48-53	3,16	Nursery and greenhouse crops sales, value ....	2,42,46,47,48-53	2,16,30
Livestock, poultry, and their products sales, value.....	1,2,10,18,20,47	1,2,16	Nursery crops-shrubs, trees, etc. ....	46	30
Loans, Commodity Credit Corporation.....	6,10,48-53	4	<b>O</b>		
Loganberries .....	-	29	Oat sales, value.....	2,48-53	2,16
Lotus root .....	-	31	Oats for grain .....	1,42-44,48-53	1,15,16,24
LP gas, fuel oil, kerosene, motor oil, grease, etc., expenses.....	14,48-53	3	Occupation of operator .	1,16,48-53	1,10,16

# INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>O—Con.</b>			<b>P—Con.</b>		
Off-farm work by operator .....	1,16,48-53	1,10,16	Pimientos .....	-	27
Okra .....	-	27	Pineapples.....	1,42,44,48-53	1,15,16,31
Olives .....	-	28	Pistachios .....	-	28
Onions, dry and green..	44	27	Plums .....	,45	28
Operator characteristics— residence, age, race, occupation, off-farm work, sex, Spanish origin, years on present farm .....	16,17,48-53	10,16	Pomegranates.....	—	28
Oranges .....	45	28	Ponies and horses .....	20,41,48-53	13
Orchardgrass seed .....	-	26	Popcorn.....	44	24
Orchards.....	1,42-44,48-53	1,15,16,28	Potatoes, Irish.....	1,42-44,48-53	1,15,16,25
Organization of farm....	1,16,48-53	10,16	Potatoes, sweet.....	42,44,48-53	25
Other farm production expenses.....	5,48-53	3,16	Poultry and poultry products sales, value..	2,20,48-53	2,16
Other field crops sales, value.....	2,48-53	2,16	Poultry hatched .....	-	22
Other grains sales, value	2,48-53	2,16	Principal occupation of operator .....	1,16,48-53	1,10,16
Other livestock and live- stock products sales, value.....	2,47,48-53	2,16	Production expenses ...	1,3,10,47,48-53	1,3,16
Other poultry .....	-	22	Property taxes, expenses.....	3,10,48-53	3,16
Owned land .....	10,48-53	-	Proso millet.....	44	24
<b>P</b>			<b>Q</b>		
Papayas .....	45	28	Quail .....	-	22
Parsley.....	-	27	<b>R</b>		
Part owners .....	16,48-53	10,16	Rabbits and their pelts .	41	23
Partnership, type of organization .....	1,16,48-53	10,16	Race of operator.....	16,48-53	34
Passion fruit .....	-	28	Radishes .....	-	27
Pastureland and grazing land.....	7,48-53	5	Rangeland.....	7,48-53	5
Pastureland and other land irrigated .....	9	7	Rapeseed .....	-	31
Payroll expenses.....	1,3,10,47,48-53	3,16	Raspberries .....	44	29
Peaches .....	45,48-53	28	Redtop seed .....	-	26
Peanuts for nuts .....	42-44,48-53	1,15,16,25	Rent paid in cash, expenses .....	3,10,48-53	3,16
Pears .....	45	28	Rent received, farm- related income .....	5,48-53	4
Peas, Austrian winter ...	-	26	Repair and maintenance expenses.....	3,10,48-53	3,16
Peas, Chinese or ming .	-	27	Residence of operator..	16,48-53	10,16
Peas, dry edible.....	44	25	Rhubarb .....	-	27
Peas, green .....	44,48-53	27	Rice.....	1,42-44,48-53	1,15,16,24
Pecans.....	45,48-53	28,	Romaine and lettuce ...	44	27
Peppers.....	-	27	Rye for grain .....	42,44	24
Persimmons .....	-	28	Ryegrass seed.....	44	26
Petroleum products expenses.....	3,10,14,48-53	3,16	<b>S</b>		
Pheasants .....	-	22	Safflower .....	-	24
Pickup balers.....	13,48-53	8	Sales of agricultural products.....	1,2,10,18,47,48-53	1,2,16
Pigeons or squab .....	-	22			

# INDEX—Con.

(Index items not reported for the State will not appear in designated tables)

Item	State tables	County tables	Item	State tables	County tables
<b>S—Con.</b>			<b>T—Con.</b>		
Salt hay.....	-	31	Tenure of operator.....	16,48-53	10,16
Seeds, bulbs, plants, and trees purchased .....	3,10,48-53	3	Timothy seed.....	-	26
Set aside programs, acreage.....	7,10,48-53	5	Tobacco .....	1,42-44,48-53	1,15,16,25
Sex of operator .....	16,17,48-53	10	Tobacco sales, value ...	2,47,48-53	2,16
Shallots.....	-	27	Tomatoes.....	44,48-53	27
Sheep and lambs .....	10,20,38,39,48-53	1,13,16	Tractors, wheel.....	13,48-53	8,16
Sheep and lambs shorn	38,48-53	13	Triticale .....	-	24
Sheep, lambs, and wool sales, value .....	2,20,38,47,48-53	2,13,16	Trout sales .....	-	21
Size of farm, average...	1,48-53	1,16	Trucks, including pickups .....	13,48-53	8,16
Small grain hay .....	43,44	26	Turkeys .....	20,21,24,48-53	14
Snap beans, bush and pole.....	44,48-53	27	Turnip greens .....	-	27
Sod .....	46	30	Turnips.....	-	27
Sorghum.....	1,42-44,48-53	1,15,16,24 26,31	Type of farm .....	18,48-53	16
Sorghum for grain sales, value.....	2,48-53	2,16	Type of organization....	1,16,48-53	1,10,16
Southern peas (cowpeas), dry .....	-	25	<b>V</b>		
Southern peas (cowpeas), green .....	-	27	Value of agricultural products sold .....	1,2,10,18,47,48-53	1,2,16
Soybeans.....	1,42-44,48-53	1,15,16,25	Value of land and buildings.....	1,10,18,48-53	5,16
Soybeans sales, value..	2,48-53	2,16	Value of machinery and equipment.....	1,10,12,18,47,48-53	1,8,16
Spanish origin, operators of.....	16,17,48-53	35	Vegetable and flower seeds .....	46	30
Spelt and emmer .....	-	24	Vegetables, greenhouse	46	30
Spinach.....	-	27	Vegetables harvested for sale .....	1,42-44,48-53	1,15,16,27
Squash .....	-	27	Vegetables, sweet corn, and melons sales, value	2,47,48-53	2,16
Standard industrial classification of farms .	18,48-53	2,16	Vetch seed .....	-	26
Steers, steer calves, bulls, and bull calves .....	20,25,48-53	11,16	<b>W</b>		
Strawberries.....	43,44	29	Walnuts, English .....	45,48-53	28
Sudangrass seed .....	-	26	Watercress .....	-	27
Sugar beets .....	42-44,48-53	1,15,16,25	Watermelons .....	44	27
Sugarcane.....	1,42-44,48-53	1,15,16,25	Weeds, chemical control .....	15,48-53	9
Sunflower seed .....	1,42,44,48-53	1,15,16,24	Wheat for grain .....	1,42-44,48-53	1,15,16,24
Sweet corn .....	44,48-53	27	Wheat sales, value .....	2,48-53	2,16
Sweet corn for seed....	-	31	Wheatgrass seed .....	-	26
Sweet potatoes .....	42,44,48-53	25	Wheel tractors .....	13,48-53	8,16
<b>T</b>			Wild hay .....	43,44	26
Tame dry hay .....	43,44	16,26	Wild rice .....	-	24
Tangelos.....	-	28	Woodland.....	1,7,48-53	5
Tangerines .....	-	28	Wool, pounds shorn ....	38,48-53	13
Taro.....	-	31	Work off-farm by operator .....	1,16,48-53	1,10,16
Taxes, property, expenses.....	5,48-53	3	<b>Y</b>		
Tenant operated farms .	16,48-53	10,16	Years on present farm..	47,48-53	16

# PUBLICATION PROGRAM

## 1987 CENSUS OF AGRICULTURE

Results of the 1987 Census of Agriculture are being published in a series of reports which provide data for each county (or equivalent), each State, the United States, Puerto Rico, Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands. The publications include statistics on the number of farms; land in farms; farm and operator characteristics; livestock, poultry, and their products; crop production and value; operating expenditures; irrigation; and other characteristics of farms.

Publication order forms may be obtained from Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233, any U.S. Department of Commerce district office, or by calling (301) 763-1113.

## ADVANCE REPORTS (AC87-A-01-000(A) TO 56-000(A))

Advance Reports are published separately for each county (or equivalent) in the United States with 10 farms or more, for each State, and the United States. The 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 Advance Reports contain final data for major data items together with comparable data from the 1982 census. Included in the reports are 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 sold, and major crops harvested (which vary by State). No advance reports are available for Puerto Rico, Guam, or the U.S. Virgin Islands.

## VOLUME 1. GEOGRAPHIC AREA SERIES (AC87-A-1 TO 56)

**State and County Data** (A-1 to 50) are published showing detailed data in national and State tables for the United States, and in county and State tables separately for each State. These reports include data on number and size of farms; crop production; livestock, poultry, and their products; 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)

- Chapter 1. National level data
- Chapter 2. State level data

**Outlying Areas** (A-52 to 56) provide detailed data for the regions and municipios of Puerto Rico; the election districts of Guam; the U.S. Virgin Islands; American Samoa; and Northern Mariana Islands.

## VOLUME 2. SUBJECT SERIES (AC87-S-1 TO 6)

**Agricultural Atlas of the United States** (AC87-S-1), formerly the *Graphic Summary*, presents a profile of the Nation's agriculture in a series of dot and multicolor pattern maps. The maps provide displays on size and type of farm, land use, farm tenure, market value of products sold, crops harvested, livestock inventories, and other characteristics of farms.

**Coverage Evaluation** (AC87-S-2) provides national and regional level estimates on the completeness of the census, in terms of both the number of farms missed and selected characteristics of those farms.

**Ranking of States and Counties** (AC87-S-3) presents the ranking of the top 20 States and the top 100 counties of importance of selected items from the 1987 census. Comparative data from the 1982 census are included in most tables. Tables also show cumulative totals for States and counties.

**History** (AC87-S-4) is a concise description of the major census operations together with facsimiles of selected data tables. It explains the history of the agriculture census, farm definition, data collection and processing, and dissemination of census data.

**Government Payments and Market Value of Agricultural Products Sold** (AC87-S-5) shows detailed data for farms cross-tabulated by combined market value of agricultural products sold and Government payments received, including detailed national data and selected data for each State.

**ZIP Code Tabulations of Selected Items From the 1987 Census of Agriculture** (AC87-S-6) provides tabulations by five-digit ZIP Code for selected items from the 1987 census. Data items include number of farms, land in farms, farms by size, market value of agricultural products sold by size of sale, livestock inventory, cropland harvested, and selected crops.

## VOLUME 3. RELATED SURVEYS (AC87-RS-1 AND 2)

**The Farm and Ranch Irrigation Survey** (AC87-RS-1) provides statistical data collected from a sample of farm operations from the 1987 Census of Agriculture. The publication offers information on acres irrigated, land use, yields of specified crops, methods of water distribution, quantity of water used by its source, and other irrigation practices.

**Agricultural Economics and Land Ownership Survey** (AC87-RS-2) provides data on indebtedness, expenditures, income and assets for both farm operators and landlords. This report also includes measures of credit used for purchases and expenditures, debt by type of lender, assets, off-farm income, and other land ownership data.

## VOLUME 4. CENSUS OF HORTICULTURAL SPECIALTIES (AC87-HOR-1)

This report includes detailed information on the horticultural establishments with production and sales of \$2,000 or more. It provides data on number of establishments, value of sales of horticultural products, type of horticultural products, and kinds of horticultural businesses, for the United States, States, and counties.

## ELECTRONIC MEDIA

**Flexible Diskette**—The Advance Reports of the 1987 Census of Agriculture are available on flexible diskettes. The files can be used with any compatible microcomputer employing the PC-DOS 2.0 or higher operating system. Diskettes can be obtained by calling (301) 763-4100.

**Computer Tapes**—Public-use computer tapes contain the same summary statistics that are found in the published reports. Two files are available for each State: data for counties and the aggregated State-level data. Order forms may be obtained from the Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233 (or call (301) 763-4100).

**Compact Disc-Read Only Memory (CD-ROM)**—Data for the conterminous United States and Puerto Rico are available on CD-ROM. The CD-ROM can be obtained from the Data User Services Division, Customer Services, Bureau of the Census, Washington, DC 20233 (or call (301) 763-4100).

**Online Access**—National and State level data from the 1987 Census of Agriculture are available on CENDATA through two information vendors—CompuServe and DIALOG. In addition, the advance reports, highlights of the Subject Series, and Related Surveys reports, are available online from AGRIDATA. For information on these services call (301) 763-4100.

