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ABSTRACT

This publication contains four lesson plans to assist teachers in instructing their students about the census of agriculture and its uses. Designed primarily for vocational agricultural classes, the lesson plans may also have applications in math, social studies, and journalism or writing classes. Teachers do not need specialized knowledge about census statistics. The lessons cover: (1) livestock and crop production data; (2) agribusiness and the use of census data in business decisions; (3) community development activities and the use of census data in local economic and land use decisions; and (4) the purposes of the census of agriculture and its use by government and private agencies. Each lesson plan includes objectives, teaching suggestions, student activities, and portions of the 1982 Census of Agriculture. The publication also contains general recommendations for using lesson materials, suggestions for additional class activities, a list of who benefits from census data, brief descriptions of Census Bureau reports on the Census of Agriculture and other agricultural information, a glossary of census terms, the Census of Agriculture form for 1988, and a fact sheet about U.S. agriculture in 1982.
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LESSON PLANS

THE CENSUS OF AGRICULTURE



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UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, O C 20233

Dear Instructor:

We are happy to provide you with a series of four lesson plans and transparencies designed to assist you with instructing your students about the census of agriculture and its uses. The lesson plans have been prepared in close cooperation with specialists in the field of education.

The census of agriculture is the only source of uniform, comprehensive information about American agriculture at the national, state, and county level. The census of agriculture contains data on crop and livestock production as well as other items. It provides essential information on land use, farm machinery, Federal program participation, classification of types of farms and ranches, and demographic data on agricultural operators.

Information is becoming increasingly more important in our daily lives, and information is one of agriculture's most important resources. Agricultural operators, agribusinesses, elected officials, and government and private agencies all need relevant data to help in making decisions.

Please send us your comments about the lesson plans on the preaddressed card. If you have any inquiries, call my staff at 301/763-4164. Thank you for including the census of agriculture in your instructional planning.

Sincerely,

Charles Pautler

CHARLES P. PAUTLER, JR.
Chief, Agriculture Division
Bureau of the Census

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INTRODUCTION

Lesson Plans for the Census of Agriculture

There will be a wealth of agricultural information at your fingertips....It's contained in the soon to be published 1987 Census of Agriculture.

This series of Lesson Plans has been specially designed to assist you in informing your students about the census, and its role in their agricultural careers.

The following pages are identified by letter and number. LP-1 indicates the Lesson Plan for the first lesson. The Lesson Plans include objectives, teaching suggestions, and answers for the student activities.

SA-1 suggests the Student Activities for the first lesson plan. Here we have prepared a work sheet for your students. Duplicate this material for each student. To complete the student activities you should also duplicate the Data pages for each student. There are Data pages for each lesson. The Data page for the first lesson is labeled D-1.

There are several steps recommended for instructors to follow to implement the following lesson materials:

1. During class describe briefly why the census is important, how the census is conducted, and what is important about census definitions. Use the following four pages of information as background. Then hand out copies of the Student Activity Sheets for students.
2. Reproduce the Student Activity Sheets and Data Sheets for each lesson plan you intend to use. Each student needs a copy. There are four topic lesson plans: Production Agriculture, Agribusiness, Community Development, and Social Studies.
3. Review other sources of statistical data, in case you wish to refer to them during class discussion. Students may ask questions which cannot be answered with data included in the lesson plan. Knowing of other sources enables you to refer the student elsewhere to find the answers--an equally valid way to introduce students to the value of statistical information.
4. Review the table headings and definitions of the census data with the class. Point out one or

two statistics that you think are unusual or interesting. Answer any questions about the tables presented.

5. Consider and undertake an "activity" by the entire class. You may wish to postpone this step until after you have completed the Student Activity Sheets.
6. Assign an essay, perhaps in the form of a letter, to someone knowledgeable about farm policy. The primary emphasis of an essay should be how agricultural census data can be used to determine a position in descriptive, narrative, and argumentative essays. The secondary focus of the essay should be to emphasize accuracy in using the correctly defined terms and the use of statistics.
7. Fill out the comment card and return it to the Bureau of the Census, with comments on how the Lesson Plans might be improved.

Suggested class activities:

1. Invite a business executive or local official to talk to the class about how he/she uses statistics. Suggest that the speaker bring into class a simple, but real problem requiring students to look up information. Examples of speakers are: FmHA county supervisors, ASCS county directors, SCS district conservationists, bank executives, and managers of agribusinesses.
2. Compose a class letter to an official about a policy decision, using statistics to strengthen the class view point. Ask if the official interprets the data in the same way (the reply may illustrate how statistics can be used by different people to draw different conclusions).

Learning to Use the Census of Agriculture

Four lesson plans were prepared for your students to learn the importance of census of agriculture data in today's world. They also will learn about how local and national agricultural activities are measured, so they can use statistics comfortably to help solve business, marketing, and policy problems.

Portions of the 1982 Census of Agriculture are excerpted for reproduction as part of each plan. The plan may also be used with your own State and county census data.

suggested activities. While the lesson plans were designed primarily for vocational agriculture classes, the lesson plans may also be used in math classes, social studies classes, and journalism or writing classes as topics for essays.

The role of the teacher is to be moderator, stimulator, and coordinator. You are not asked to possess specialized knowledge about census statistics, or to evaluate the student's work other than to check the accuracy of responses to factual questions. You are perceived to be a helper in assisting comprehension of how to use available statistics to communicate, to plan, and evaluate agricultural issues.

Statistics are only as valuable as the uses people make of them. The census of agriculture is compiled from millions of reports by America's farmers. All farmers are asked to respond; however, some may not realize how valuable their data can be in planning for agricultural production programs or agribusiness development. As your students learn from experience with the statistics, feel free to encourage them to discuss the value of cooperating with the next United States Census of Agriculture.

We hope you will enjoy conveying to your students our excitement about the important role of statistics in American agriculture.

Authorization of the Census of Agriculture

The agriculture census is authorized by law under title 13, United States Code, section 142. It has been taken periodically since 1840. The census of agriculture is a county-by-county measurement of the Nation's agriculture. It is conducted by the U.S. Bureau of the Census, in close cooperation with the Nation's agricultural user groups and farmer organizations.

The agriculture census serves as an important statistical benchmark for government and private programs. The census of agriculture is the only available source of uniform and comprehensive agricultural data for each State and county.

What Does It Include?

Information determined to be of value to U.S. agriculture and its programs is collected by the census of agriculture. This includes:

- information on value of sales
- inventory and use of agricultural land
- characteristics about farm owners and operators

- crop acres harvested
- classification of types of farms and ranches
- count of livestock and poultry on hand and sold
- information about farm machinery
- production expenses
- federal program participation
- farm-related income

Who Benefits From the Census Data?

Everyone directly or indirectly connected with agriculture benefits from a national census of the industry. That's why the Bureau of Census, U.S. Department of Commerce, conducts this nationwide collection of data. Information reported in the census of agriculture is used by legislators, agribusinesses, farm organizations, State and Federal agencies, State and local governments, and universities. Here are some examples:

- Congress used the 1982 Census of Agriculture to evaluate options for targeting support to farmers in the 1985 Farm Bill.
- Agribusinesses use census of agriculture data to develop sales territories and to determine the most effective locations for retail outlets.
- Farm organizations use the data to formulate future farm programs and policies.
- USDA's Animal and Plant Health Inspection Service uses census of agriculture data to plan for operations during emergency outbreaks of diseases or infestations of pests. The data is used to estimate the extent of the problem and to appropriately distribute resources.
- USDA's Economic Research Service uses census of agriculture data to prepare estimates of farm income and cost of production estimates, and to assess patterns and trends in resource use and management.
- State and local governments use the census of agriculture data to analyze and develop policy on land use, irrigation needs, rural development, and farmland assessment.
- Universities use census of agriculture data in their teaching and research that aids in the understanding of farm and rural trends, adjustments, and policies.

When Is It Conducted?

The census is conducted every 5 years. All related censuses including the census of agriculture are conducted during the same year to assure maximum compatibility.

The 1987 Census of Agriculture will be conducted during the 1988 calendar year to gather data on 1987 agricultural operations. It normally takes up to 18 months to gather, process, and publish relevant information about the Nation's 2 million agricultural operations.

How Is It Conducted?

Current censuses of agriculture are conducted by mail. Every effort is made to assemble an accurate national listing of the Nation's 2 million agricultural operations. Census forms are mailed at the end of the census calendar year. Letter follow-ups and telephone follow-ups are made if the census form is not returned. Upon receipt by the Bureau of the Census, the forms are checked for completeness and accuracy. Advance reports by State and county are published as soon as data are tabulated and processed, usually beginning about 8 months after the forms are mailed.

How Should It Be Properly Used?

The most difficult aspects of using any statistical data stem from the limitations and precision of definitions. Numbers imply precision, so their use must be precise, too. To use data correctly, there must be correct understanding of the definitions, their limitations, and configurations. A glossary of terms accompanying this explanation may help; teachers should review terminology defined in the back of a complete State or national census.

Bureau of the Census Means Information

Information is the main job of the U.S. Bureau of the Census. Staffs of skilled professionals gather, document, categorize, and publish such valuable data as import-export statistics of the Nation, capacities and operating levels of major industries, and economic statistics of U.S. housing, manufacturing, and construction.

CENSUS OF AGRICULTURE

Advance Reports--A series of two-page reports for individual counties and States, and the United States.

They provide data on farms, farm characteristics, and farm products for all farms.

Geographic Area Series--Fifty-six separate reports, with data for each State and counties, the United States, Puerto Rico, Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands. They provide detail data on farms, farm characteristics, and farm products for all farms.

Agricultural Atlas of the United States--Multicolored pattern and dot maps depicting graphically the Nation's agricultural production at the county level.

Ranking of States and Counties--Contains ranking of major agricultural commodities and various other data items.

Census of Horticultural Specialties--Contains data on the number of horticultural establishments with production and sales of \$2,000 or more for the United States census regions and divisions and selected counties.

OTHER AGRICULTURAL INFORMATION

Cotton Ginning--Annual series of reports detailing cotton ginning from August through March.

Farm Population of the United States--A joint report by the Bureau of the Census and USDA's Economic Research Service. Its 32 pages are packed with information on the Nation's farm population, much of it charting trends back to 1920.

Statistical Abstract of the United States--A wealth of statistical data about the nation, this annual volume gathers pertinent information from a variety of sources, including USDA and other federal government agencies.

County Business Patterns--Presents primarily employment and payroll data on agricultural services, forestry, and fisheries; mining; contract construction; manufacturing; transportation; wholesale trades; and retail trade; among other items.

Current Industrial Reports--A series of over 100 monthly, quarterly, and annual reports showing information for selected manufactured products.

For information on obtaining publications, write to Customer Service, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Glossary of Census Terms

The census of agriculture uses basic industry terms, most of which are familiar to agricultural professionals. Some of the most widely used terms are defined here:

Farm (agricultural operation)--For statistical purposes in the census, a farm is any place where \$1,000 or more of agricultural products were sold or normally would have been sold during the census year. (Other agencies may use other definitions of a farm.)

Operator--A person who operates an agricultural operation, either actually doing work, or making day-to-day management decisions.

Harvested cropland--Any land from which crops were harvested or hay was cut, or which is in orchards, vineyards, groves, or nurseries.

Land in farms--All owned and operated land, as well as land rented from others, including grazing areas and woodlands.

Selected production expenses--Expenses incurred for the agricultural operations during the census year including interest and custom work.

Agricultural products sold--Gross market value before taxes and production expenses of all agricultural products sold or removed from the premises.

Crop year covered--Acres and quantity harvested during the same calendar year as the census, except for some crops reported for the season preceding the census year such as citrus fruits, avocados, olives, vegetables, and pineapples.

Other income--Gross income from agricultural services, including custom work and machine services.

Census--A data collection activity involving observations or questionnaires, in which information is collected from every unit, for example person, company, or institution in the survey universe; it is theoretically a 100-percent sample.

Survey--A data collection activity involving observations or questionnaires for a sample of a population. (Surveys are normally less expensive to conduct than censuses, hence they may be taken more frequently and can provide an information update between censuses.)

Full owners--Farmers and ranchers who operate only land they own.

Part owners--Farmers and ranchers who operate land they own and also land they rent from others.

Tenants--Farmers and ranchers who operate only land they rent from others or work on shares for others.

Full-time farmer--Agricultural operator who reports in the census that he/she spends 50 percent or more of his/her worktime in farming or ranching.

Part-time farmer--Agricultural operator who reports in the census of agriculture that he/she spends more than 50 percent of his/her worktime in occupations other than farming or ranching.

Lesson Plan 1

PRODUCTION AGRICULTURE

Lesson Objective

After completion of this lesson, each student will be able to effectively utilize and understand the census of agriculture data and relate the importance of this data to livestock and crop production.

Specific Objectives

Students will be able to:

- 1.) Understand the census data and how it relates to agricultural operations in the local community.
- 2.) Improve profitability of the farm by making decisions upon facts.

Suggested Activities

- 1.) Pick out several facts from the 1982 Census Reports. Ask students to estimate what they think the numbers are (i.e., how many farmers are there in the United States, approximately how much is spent on chemicals each year in the United States, etc.). Award a prize for the student who comes the closest. Discuss how difficult it is to 'guess' these facts.
- 2.) Discuss the importance of the census data and how it is collected.
- 3.) Ask students to write down three ways to effectively use the census data. Have each student justify his/her answer.
- 4.) Take a local census of agricultural activity from the students in the classroom. Have students assist in deciding what information to collect (focus the data on the student's Supervised Occupational Experience Programs).
- 5.) Assign students to Student Activity SA-1 using the data sheets on page D-1. Answers to the Student Activities are below.

Answer Key for Student Activities

Short Answer

1. T
2. 2,260,791/increased
3. 957,698
4. T
5. 55,366,205
6. \$575,219,000

Matching

1. C
2. D
3. F
4. H
5. A
6. E
7. B
8. G

Essay

1. Hogs and pigs.
2. Growers expectations of a profit.
3. If commodity quantity is larger than actual demand, lower return per unit.
4. Study trends from data, lower per unit costs.

Name _____

Production Agriculture Student Activity Sheet

After reviewing the census data on the following Report Data Sheet on page D-1, answer the following questions. Refer to the data when necessary.

Short Answer

1. The majority of the Nation's corn farms were located in the Midwest in 1982. T or F, _____.
2. The inventory of horses and ponies in 1982 is _____.
Has this increased or decreased since 1978? _____.
3. The number of farms with beef cows is _____.
4. The number of milk cows was about the same in 1982 as in 1978. (T or F) _____.
5. The inventory of hogs and pigs in 1982 is _____.
6. The value of hens and pullets laying eggs in 1982 is _____.

Matching

It is often difficult to realize how many acres of specific crops are raised in a year in the United States. See if you can match the number of acres listed on the right with the crop listed on the left. Then check your answers with the census data on Production Agriculture.

- | | |
|--|---------------|
| _____ 1. Wheat for grain | A. 1,268,200 |
| _____ 2. Tobacco | B. 4,750,700 |
| _____ 3. Soybeans for beans | C. 70,910,300 |
| _____ 4. Vegetables harvested for sale | D. 931,700 |
| _____ 5. Irish potatoes | E. 9,781,400 |
| _____ 6. Cotton | F. 64,832,800 |
| _____ 7. Land in orchards | G. 69,858,000 |
| _____ 8. Corn for grain or seed | H. 3,330,600 |

Essay

1. The number of livestock raised in a particular year varies a great deal. What type of livestock has increased or decreased the most in total numbers raised between 1978 and 1982?
2. What causes the fluctuations in numbers of livestock raised?
3. Why do fluctuations in quantities of livestock and crops produced affect the local farmer?
4. What type of strategies can the farmer use to deal with this situation?

Table 17. Livestock and Poultry—Inventory and Sales: 1982, 1978, and 1974

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

Item		Inventory			Sales		
		Farms	Number	Value ¹ (\$,000)	Farms	Number	Value ¹ (\$1,000)
Livestock and poultry	1982..	1 827 148	(X)	51 090 350	1 516 853	(X)	69 644 126
	1978..	1 628 406	(X)	49 276 657	1 568 699	(X)	58 870 258
	1974..	1 712 920	(X)	22 186 173	1 654 203	(X)	39 503 850
Poultry	1982..	256 014	(X)	1 273 507	1 114 071	(X)	9 786 927
	1978..	283 710	(X)	1 191 041	1 122 370	(X)	8 463 486
Livestock	1982..	1 599 157	(X)	49 816 543	1 486 710	(X)	59 847 208
	1978..	1 594 255	(X)	48 085 820	1 538 018	(X)	50 406 772
Any cattle, hogs, or sheep	1982..	1 488 030	(X)	48 734 521	1 432 077	(X)	42 110 846
	1978..	1 506 605	(X)	47 719 464	1 493 863	(X)	38 327 090
Cattle and calves	1982..	1 354 992	104 475 827	43 110 000	1 278 609	71 216 727	31 835 157
	1978..	1 346 106	103 865 109	42 018 166	1 320 183	78 020 351	29 610 751
	1974..	1 503 244	113 174 700	18 465 758	1 437 101	70 019 180	(NA)
Cows and heifers that had calved	1982..	1 153 892	45 052 497	24 011 310	(NA)	(NA)	(NA)
	1978..	1 183 064	44 547 966	22 414 412	(NA)	(NA)	(NA)
	1974..	1 268 342	51 912 414	10 881 118	(NA)	(NA)	(NA)
Beef cows	1982..	957 698	34 202 807	12 608 825	(NA)	(NA)	(NA)
	1978..	954 360	34 326 274	14 678 585	(NA)	(NA)	(NA)
	1974..	1 024 935	41 257 898	7 242 055	(NA)	(NA)	(NA)
Milk cows	1982..	277 782	10 849 890	11 402 485	(NA)	(NA)	(NA)
	1978..	312 095	10 221 692	7 735 845	(NA)	(NA)	(NA)
	1974..	403 754	10 654 516	3 619 060	(NA)	(NA)	(NA)
Hogs and pigs	1982..	329 333	55 366 205	4 978 206	315 095	94 783 598	9 867 741
	1978..	445 11	57 697 318	4 818 188	423 578	90 757 143	8 071 766
	1974..	470 213	45 503 604	2 064 706	449 841	79 697 397	(NA)
Feeder pigs sold	1982..	()	(X)	(X)	90 372	20 042 797	934 156
	1978..	()	(X)	(X)	128 060	19 491 096	823 962
	1974..	3	(X)	(X)	116 424	13 166 668	(NA)
Sheep and lambs ²	1982..	10 732	12 438 011	646 315	94 967	10 788 037	608 048
	1978..	90 437	12 243 476	863 124	85 718	10 260 539	644 574
	1974..	108 646	15 379 604	473 585	100 436	13 433 679	791 611
Horses and ponies	1982..	417 042	2 280 791	1 082 022	83 311	298 708	416 520
	1978..	399 335	1 957 028	366 155	75 804	256 411	(NA)
	1974..	359 051	1 595 640	356 950	51 330	217 115	(NA)
Chickens 3 months old or older	1982..	215 812	362 464 997	669 585	38 110	365 484 348	(NA)
	1978..	240 891	354 357 427	631 044	43 890	377 271 106	(NA)
	1974..	316 243	335 740 245	587 398	62 815	347 306 981	(NA)
Hens and pullets of laying age	1982..	212 608	310 515 387	575 219	33 338	249 151 354	(NA)
	1978..	237 070	300 293 286	547 235	40 275	231 671 363	(NA)
	1974..	304 823	284 358 659	515 665	57 919	209 373 062	(NA)
Broilers and other meat-type chickens	1982..	52 824	621 541 081	377 136	30 100	3 516 622 889	(NA)
	1978..	54 576	627 146 882	370 961	31 743	3 062 154 490	(NA)
	1974..	53 435	508 687 276	237 776	34 340	2 518 513 032	(NA)
Turkeys	1982..	25 366	46 522 636	227 087	7 498	172 034 935	(NA)
	1978..	18 936	36 024 035	189 329	6 033	141 276 176	(NA)

¹Data are estimated, see text

²Value of sales includes sheep, lambs, and wool sold

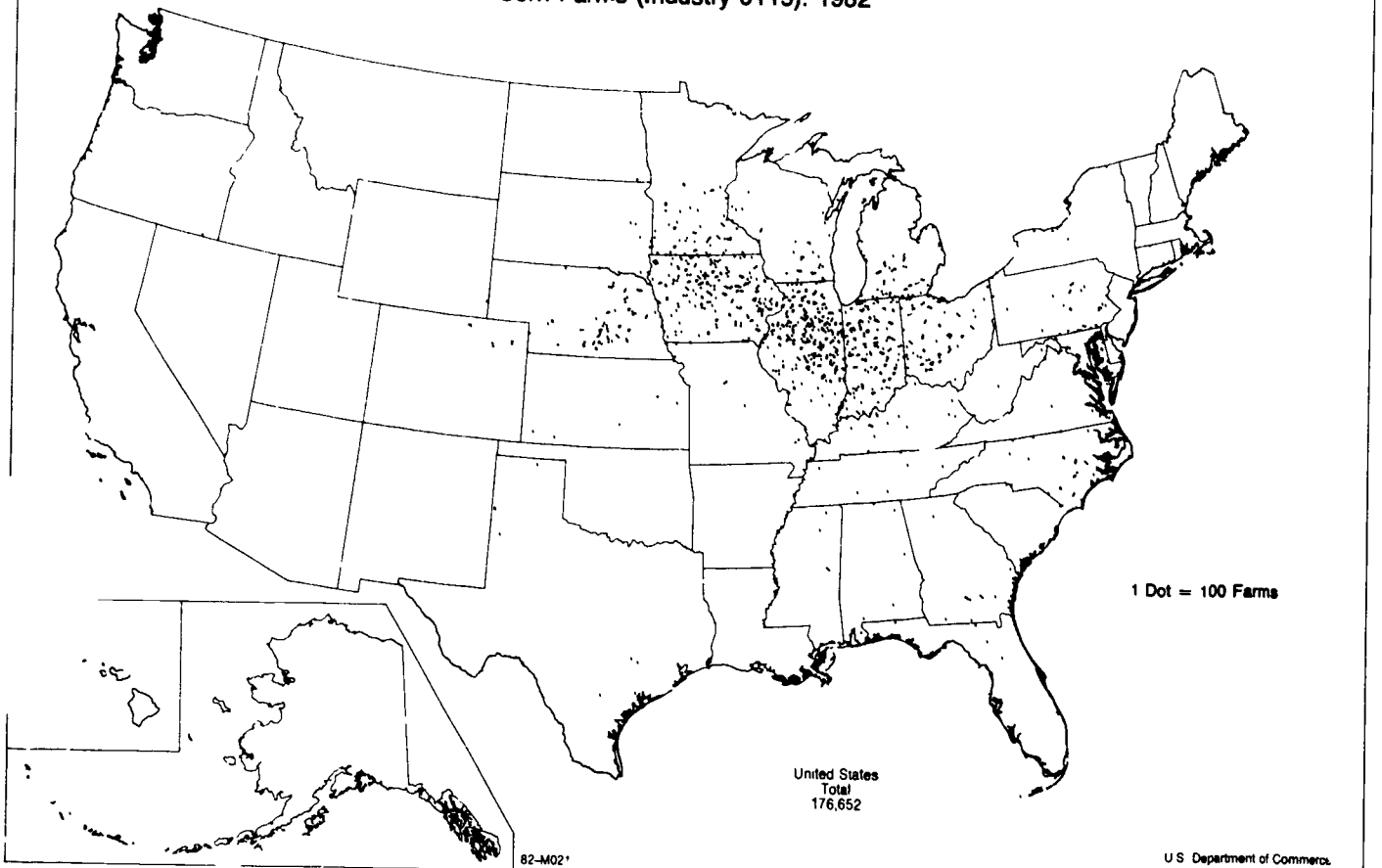
Table 39. Crops Harvested and Value of Production: 1982 and 1978

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

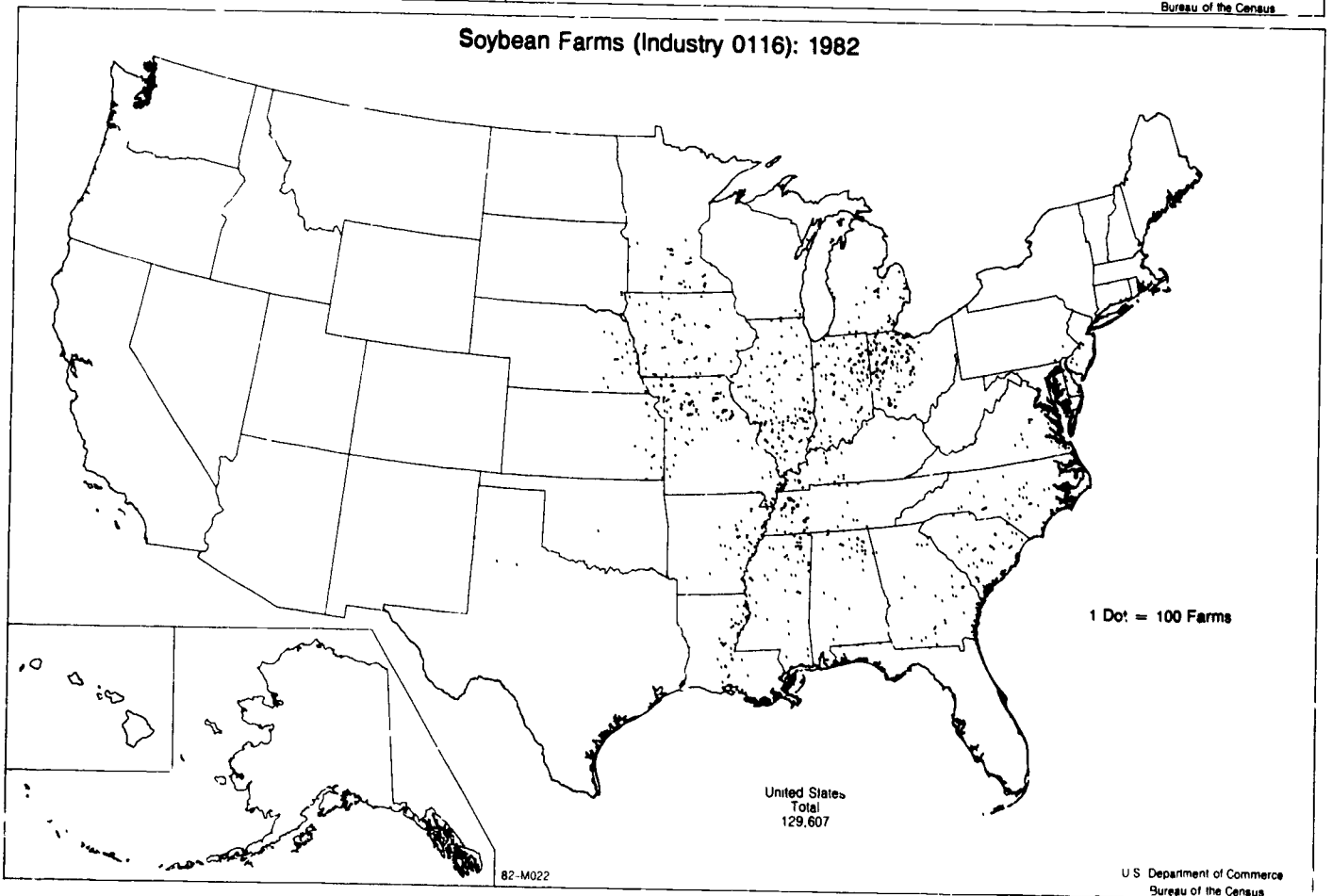
Crop	1982				1978			
	Farms	Acres	Quantity	Value of production ¹ (\$1,000)	Farms	Acres	Quantity	Value of production ¹ (\$1,000)
Harvested cropland	1 809 758	326 306 462	(X)	76 043 727	1 804 602	317 145 955	(X)	63 430 175
Corn for grain or seed (bushels)	715 171	69 857 993	7 508 721 493	17 288 276	810 577	70 043 480	6 805 185 861	14 043 457
Corn for silage or green chop or cut for dry fodder, hogged or grazed	222 533	8 025 332	(X)	2 277 738	241 749	8 306 887	(X)	1 988 552
Sorghum for grain or seed (bushels)	93 696	12 678 843	725 959 104	1 802 535	113 336	12 899 829	658 573 141	1 284 953
Sorghum for silage or green chop, cut for dry forage or hay, or hogged or grazed	20 843	634 858	(X)	155 001	32 030	1 094 593	()	168 420
Wheat for grain (bushels)	446 075	70 910 293	2 373 246 659	8 053 318	378 574	54 155 188	1 807 540 430	4 723 469
Other small grains for grain	358 546	22 801 066	(X)	3 062 319	(NA)	23 582 167	(X)	2 452 641
Soybeans for beans (bushels)	511 229	64 832 842	1 989 993 158	10 912 122	537 037	61 339 849	1 722 154 229	11 026 060
Peanuts for nuts (pounds)	23 046	1 237 606	3 245 107 287	802 211	26 966	1 425 475	3 597 234 404	765 766
Cotton (bales)	38 266	9 781 404	11 375 524	3 167 373	52 628	12 693 772	10 686 447	3 397 022
Tobacco (pounds)	179 141	931 655	1 877 309 459	2 545 141	186 649	963 224	1 918 189 782	2 570 684
Irish potatoes (cwt)	26 928	1 268 213	34 620 585	1 509 830	26 421	1 385 886	351 217 422	1 227 971
Sweetpotatoes (bushels)	6 127	95 240	20 439 694	92 376	6 570	87 901	18 658 267	(D)
Pineapples harvested (tons)	15	23 141	626 860	58 298	21	25 317	685 532	(D)
Sugarcane for sugar (tons)	1 102	713 061	27 902 480	496 883	1 599	766 071	27 423 756	492 136
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) (tons, dry)	1 050 992	58 743 838	128 474 681	8 036 833	1 132 997	60 241 391	130 713 885	6 354 037
Vegetables harvested for sale (see text)	89 109	3 330 837	(X)	4 145 446	73 183	3 534 142	(X)	3 238 826
Land in orchards	123 683	4 750 667	(X)	5 440 110	121 852	4 463 627	(X)	4 592 791
Berries harvested for sale	18 121	135 867	(X)	484 475	17 841	126 144	(X)	318 641
Nursery and greenhouse products, mushrooms, and sod grown for sale (see text)	35 507	468 231	(X)	3 821 196	34 550	418 933	(X)	2 835 732
Other crops	82 891	9 415 407	(X)	2 089 349	(NA)	7 363 824	(X)	1 777 961

¹Data are estimated, see text.

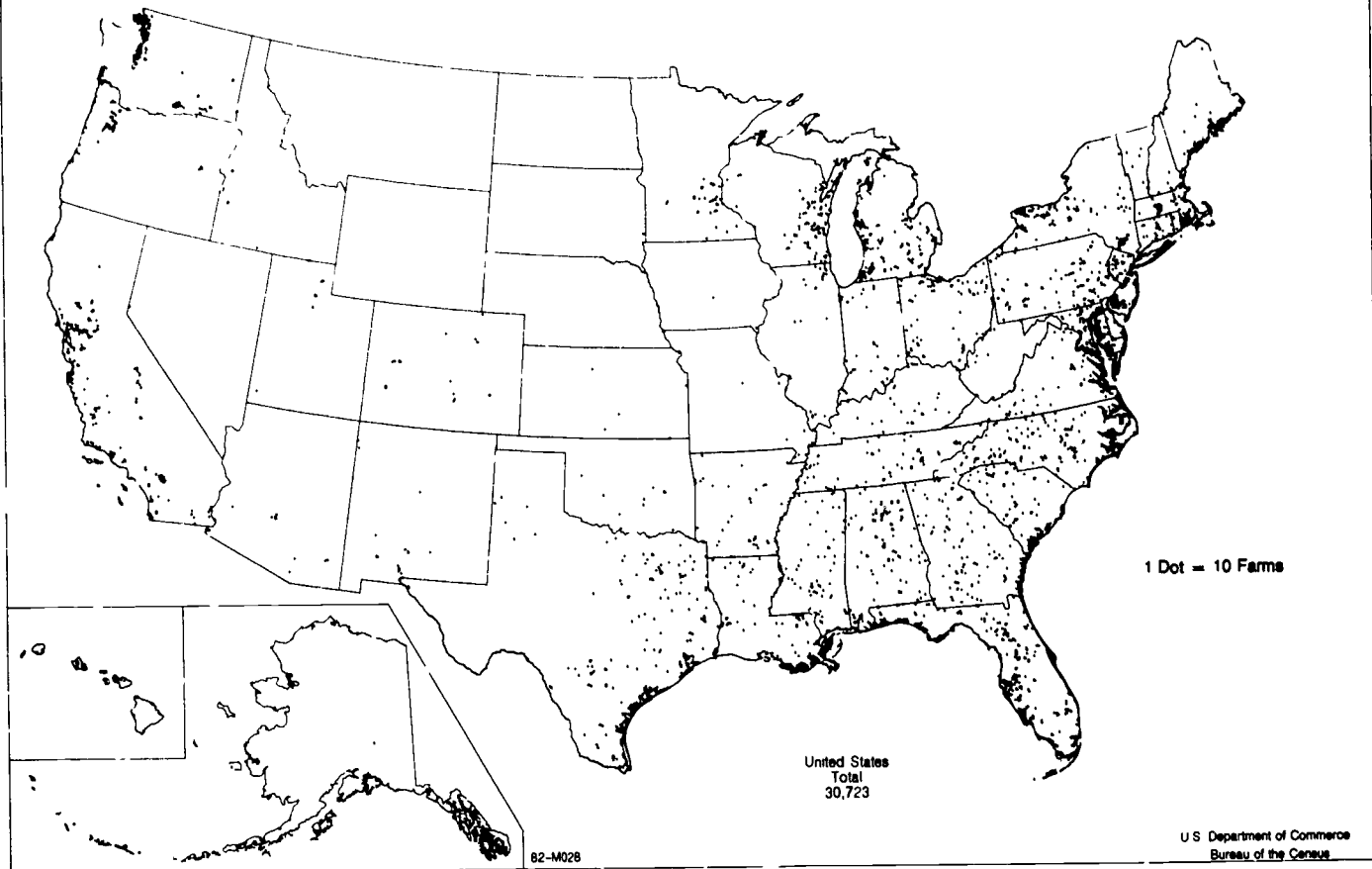
Corn Farms (Industry 0115): 1982



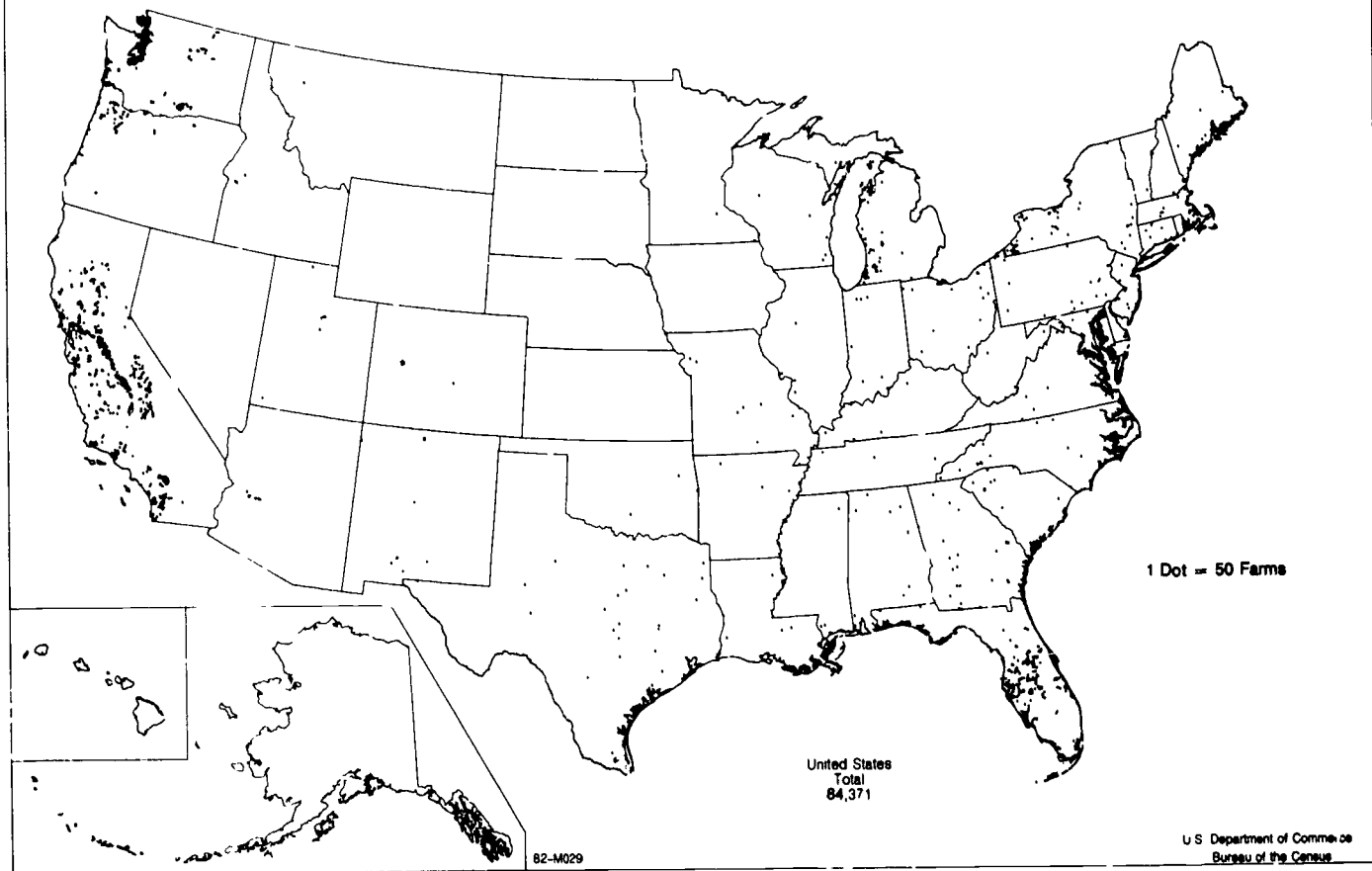
Soybean Farms (Industry 0116): 1982



Vegetable and Melon Farms (Industry Group 016): 1962



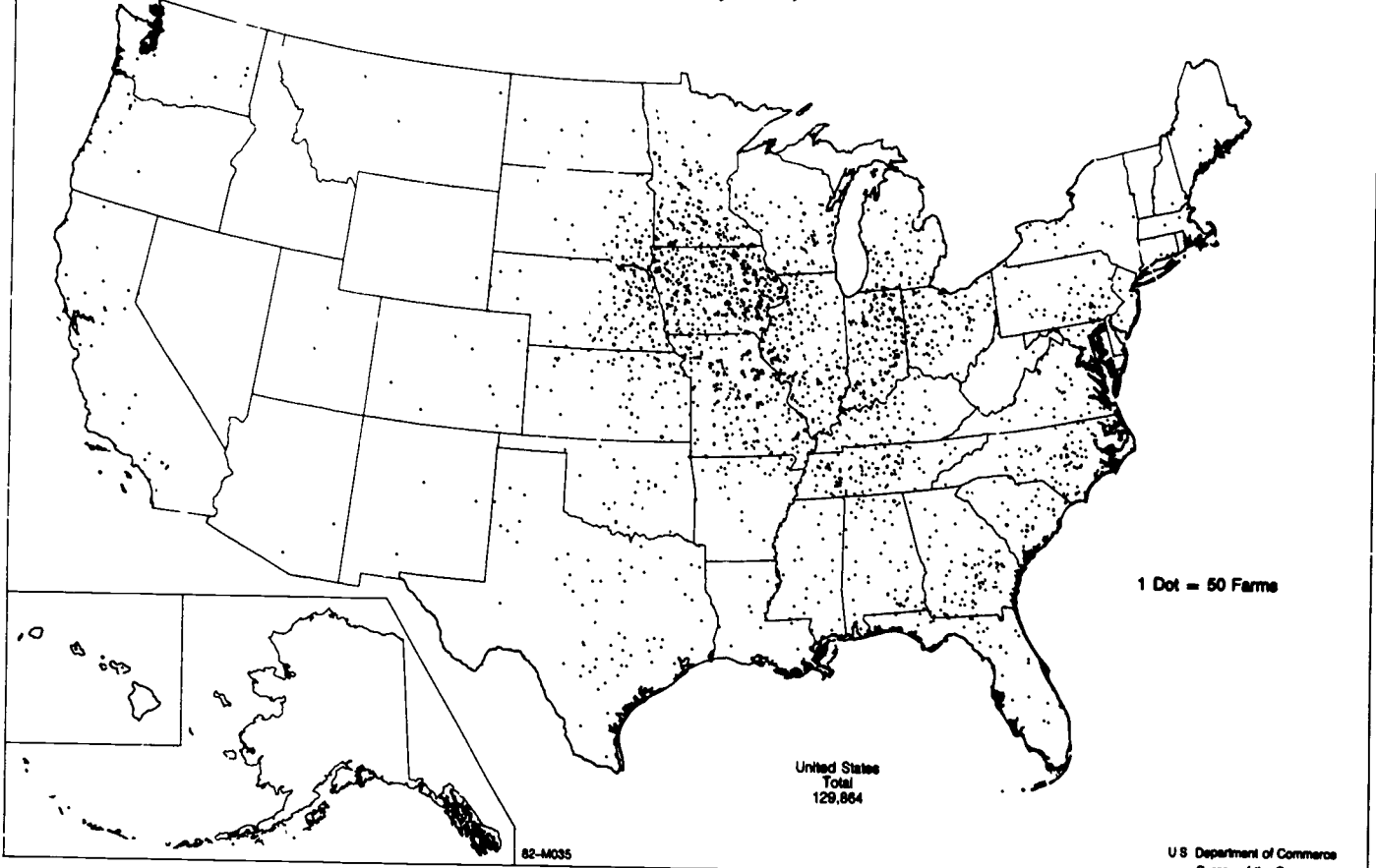
Fruit and Tree Nut Farms (Industry Group 017): 1982



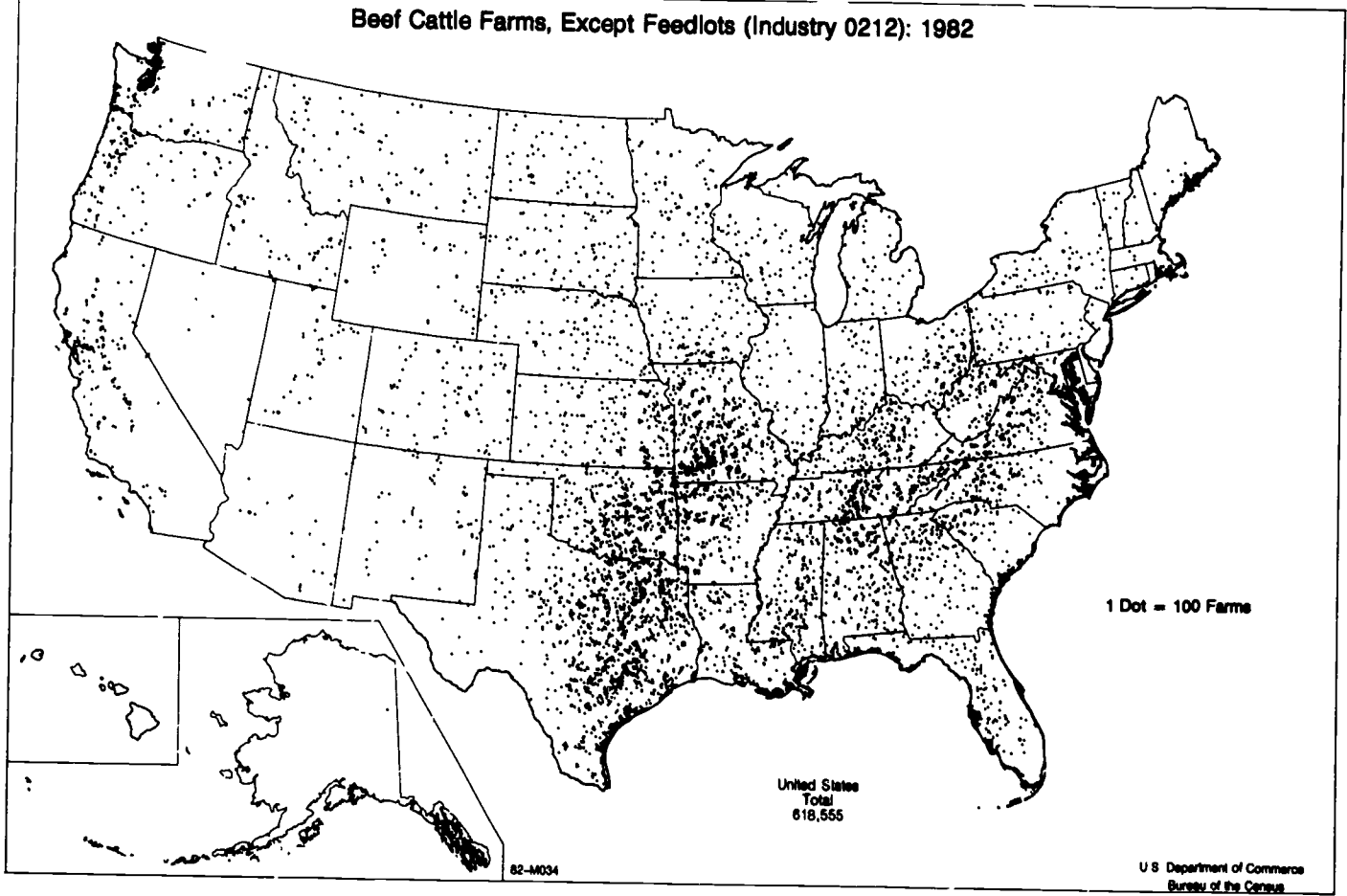
TM1-2

1987 CENSUS OF AGRICULTURE

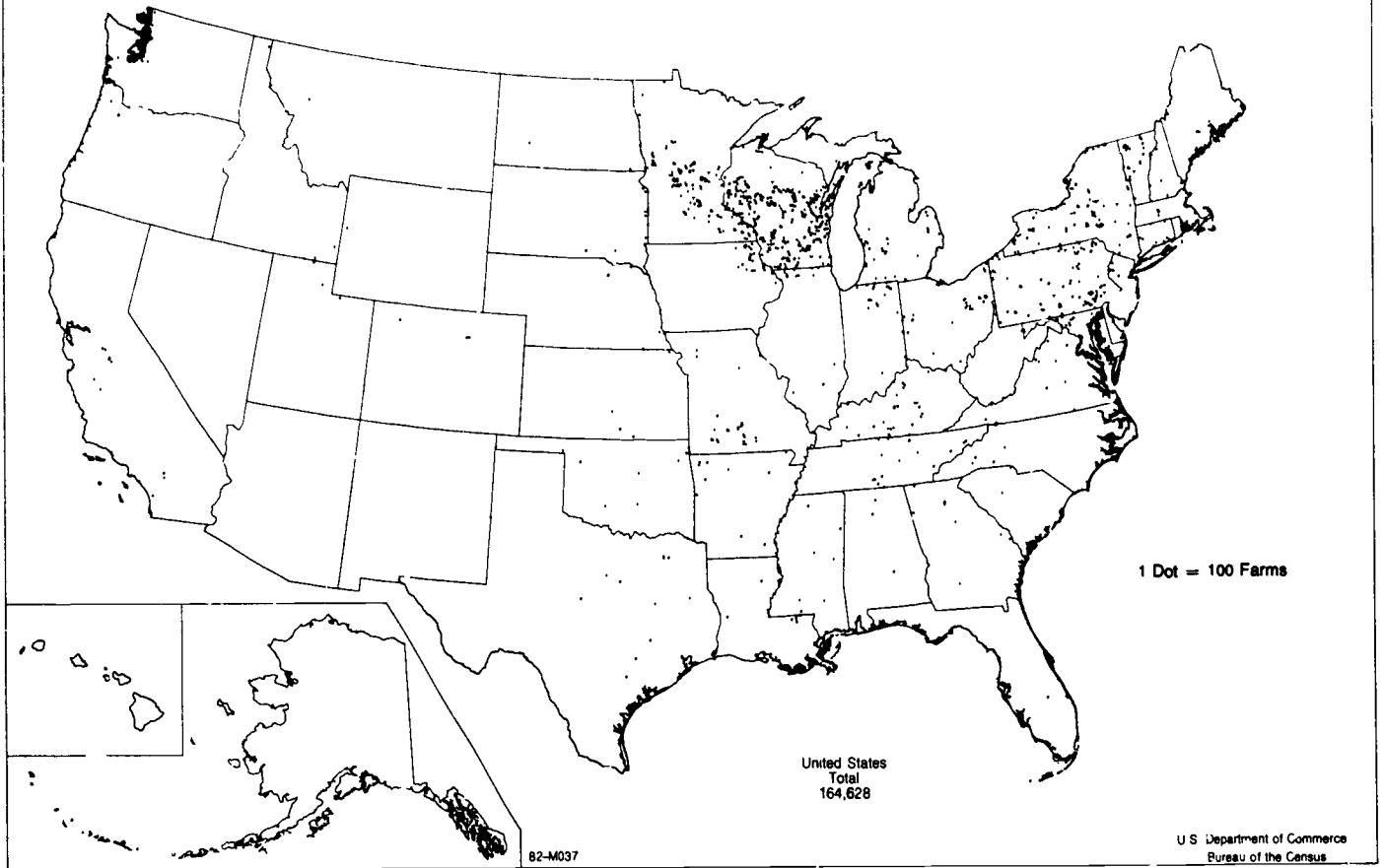
Hog Farms (Industry 0213): 1982



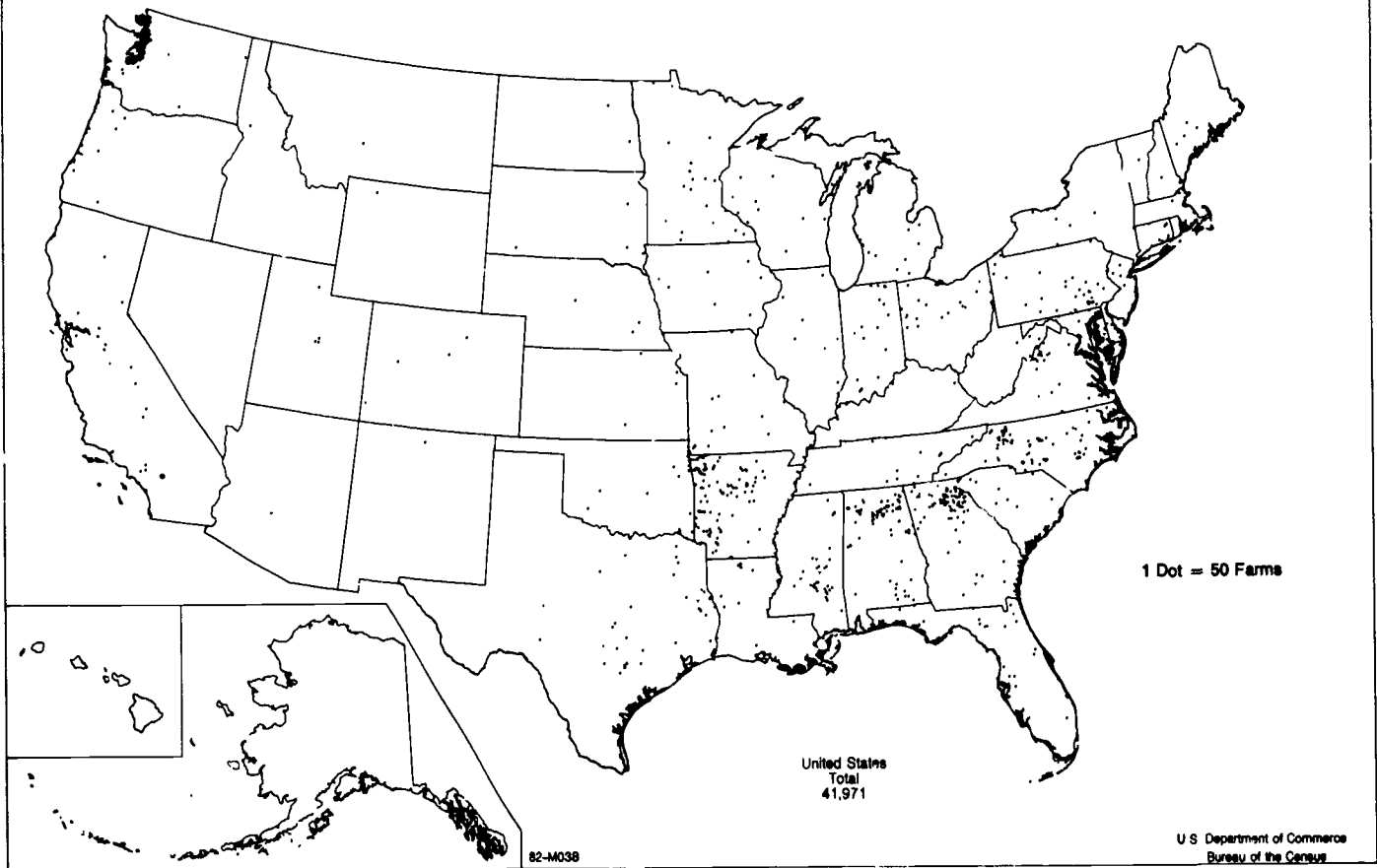
Beef Cattle Farms, Except Feedlots (Industry 0212): 1982



Dairy Farms (Industry Group 024): 1982



Poultry and Egg Farms (Industry Group 025): 1982



TM1-4

Lesson Plan 2

AGRIBUSINESS

Lesson Objective

After completion of this lesson, each student will be able to utilize census of agriculture data and relate this data to agricultural businesses.

Specific Objectives

Students will be able to:

- 1.) Understand the census data and how agribusinesses can use this information.
- 2.) Improve profitability of agribusinesses by making decisions based on data.

Suggested Activities

- 1.) Have students review the 1982 census data. Discuss the importance of this data with local agribusinesses.
- 2.) Invite an area agribusinessman (i.e., banker, co-op manager) to the classroom to discuss the impact that production and sales have on his business.
- 3.) Have the students select a local agribusiness. The student should visit with the agribusiness owner/manager and list information that is of interest to the owner/manager which can be found in the 1982 census data. The student should refer to the 1982 census data compiled a report for the agribusinesses that will be beneficial to this business operation. Student should also provide the teacher with a copy of this report.
- 4.) Assign students to complete Student Activity, SA-2 using the data sheets on page D-2. Answers to the student activities are below.

Answer Key for Student Activities

True or False

1. F
2. F
3. T
4. T
5. F
6. T

Circle Correct

- Answer
1. Decrease
 2. Decreased
 3. Increase

Essay

1. Very closely, data shows a close parallel.
2. Anticipate changes by studying data and identifying trends.

Agribusiness Student Activity Sheet

After reviewing the census data sheet D-2 answer the following questions. Refer to the data when necessary.

True or False

- _____ 1. In 1981 the largest farm size group for which agricultural data was published was 500-999 acres.
- _____ 2. In 1982, agricultural operators in the southeastern part of the United States had more expenses for commercial fertilizers than agricultural operators in any other part of the United States.
- _____ 3. The number of farms with cattle has increased more than the number of farms with hogs.
- _____ 4. The average value of the land and buildings per acre increased from 1978 to 1982.
- _____ 5. The number of acres of harvested crop land decreased from 1978 to 1982.
- _____ 6. In 1982 there were more operators with a principal occupation of farming than there were operators with an occupation classified as "other".

Circle the Correct Answer

1. According to the data, a cotton gin would see a/an (increase / decrease) in production in 1982 over 1978.
2. If you were a seed corn dealer, your sales would have (increased / decreased) in 1982 compared to 1978 according to the figure for corn harvested for grain or seed.
3. The land in orchards figure would suggest that there is a/an (increase / decrease) in fruit sales.

Essay

1. How closely does agricultural production affect agribusiness?
2. What can agribusinesses do to survive in the changing times of production agriculture?

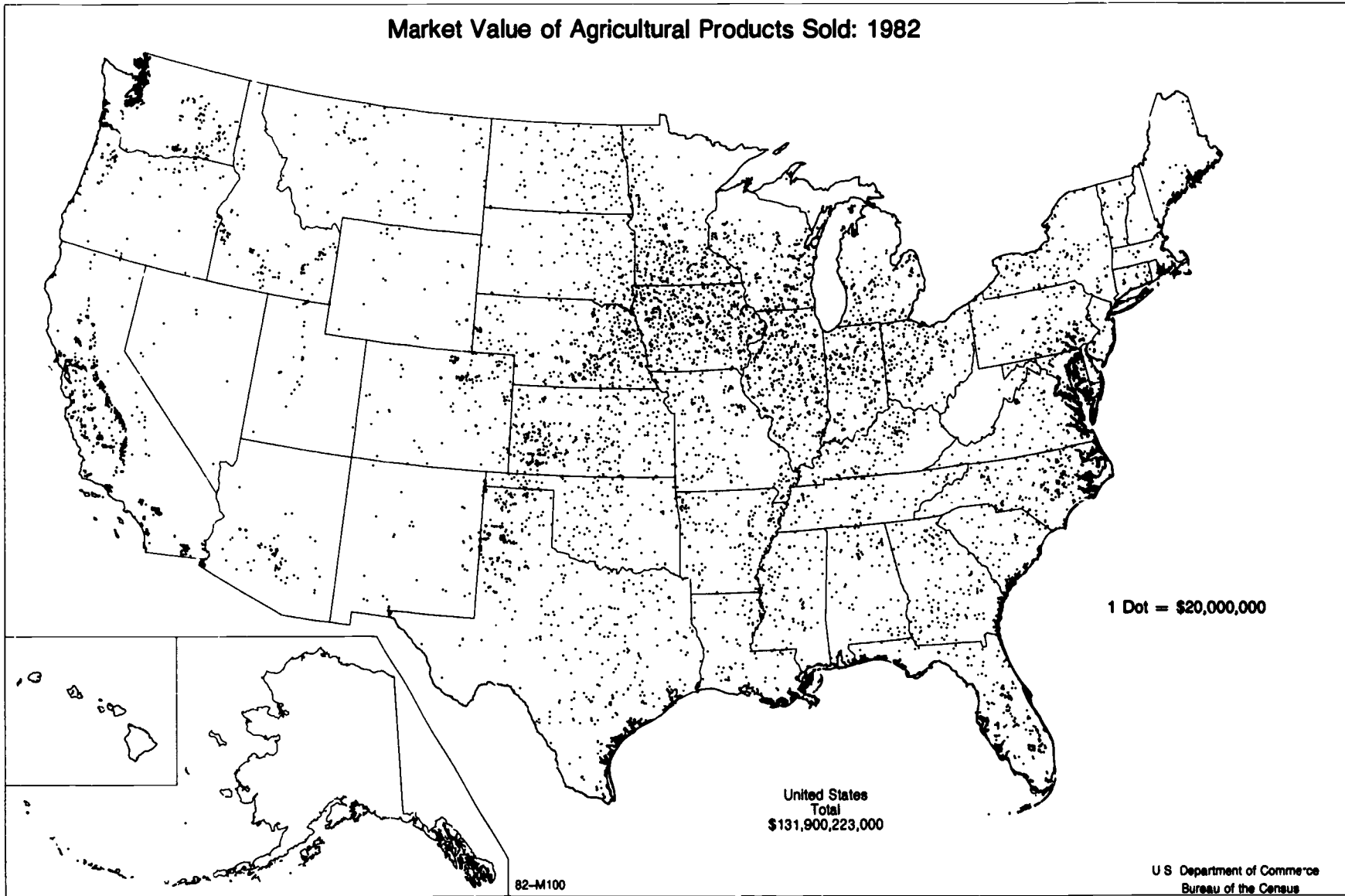
Highlights of the Nation's Agriculture: 1982 and 1978

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

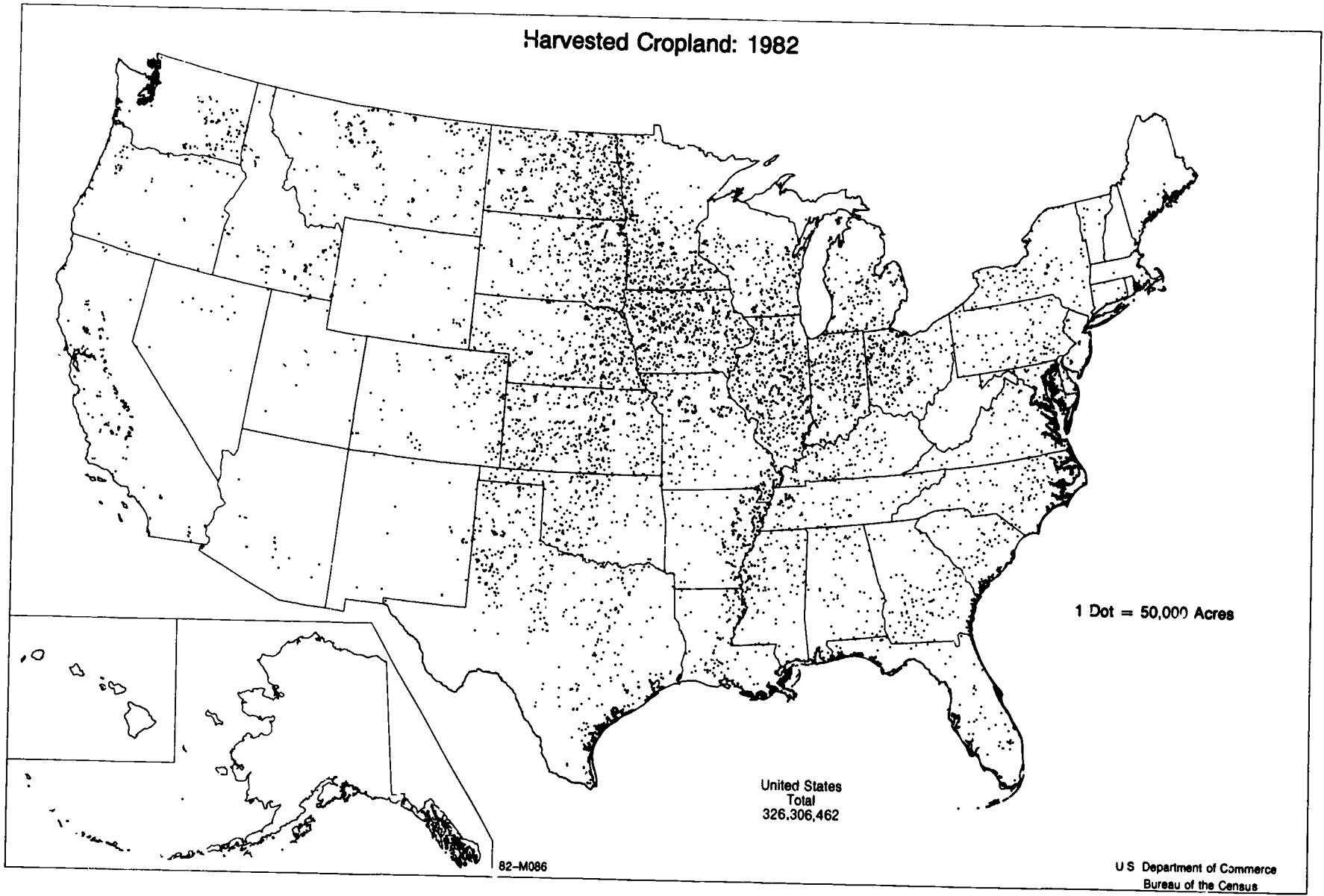
Item	All farms			Farms with sales of \$10,000 or more		
	1982	1978	Percent change from 1978 to 1982	1982	1978	Percent change from 1978 to 1982
Farms..... number.....	2 240 976	2 257 775	-7	1 142 963	1 160 151	-3.2
Land in farms..... acres.....	986 796 579	1 014 777 234	-2.8	811 260 541	829 228 836	-2.2
Average size of farm..... acres.....	440	449	-2.0	710	703	1.0
Value of land and buildings ¹						
Average per farm..... dollars.....	345 889	279 672	23.7	557 636	440 971	26.5
Average per acre..... dollars.....	784	619	26.7	785	628	25.0
Farms by size						
1 to 9 acres.....	187 665	151 233	24.1	40 552	35 831	13.8
10 to 49 acres.....	449 252	391 554	14.7	76 209	69 133	10.2
50 to 179 acres.....	711 852	759 04.7	-6.2	287 233	293 302	-2.1
180 to 499 acres.....	526 510	581 631	-9.5	401 201	438 872	-8.6
500 to 999 acres.....	203 925	213 209	-4.4	184 843	191 483	-3.5
1,000 to 1,999 acres.....	97 395	97 800	-4	91 696	91 731	(Z)
2,000 acres or more.....	84 577	83 301	2.0	61 229	59 999	2.1
Harvested cropland..... farms.....	1 809 758	1 904 602	-5.0	1 051 417	1 091 464	-3.7
..... acres.....	326 306 462	317 145 955	2.9	306 242 220	292 172 740	4.8
Irrigated land..... farms.....	278 277	280 779	-9	183 412	190 147	-3.5
..... acres.....	49 002 433	50 349 906	-2.7	48 880 434	47 784 021	-1.9
Market value of agricultural products sold..... \$1,000.....	131 900 223	107 073 458	23.2	128 023 777	102 927 581	24.4
Crops, including nursery and greenhouse products..... farms.....	357 443	1 487 087	-8.7	886 215	929 818	-4.7
..... \$1,000.....	62 256 087	48 203 200	29.2	60 842 654	48 375 510	30.8
Livestock, poultry, and their products..... farms.....	1 516 853	1 568 619	-3.3	796 728	847 470	-8.0
..... \$1,000.....	69 644 136	58 870 259	18.3	67 361 124	58 552 071	19.1
Farms by standard industrial classification						
Cash grains (011).....	576 548	573 798	5	411 887	362 887	7.8
Field crops, except cash grains (013).....	253 253	285 362	-11.3	106 008	115 217	-8.0
Vegetables and melons (016).....	30 723	30 864	-5	14 709	14 727	-1
Fruits and tree nuts (017).....	84 371	80 190	5.2	37 543	37 681	-4
Horticultural specialties (018).....	29 197	28 907	1.0	17 393	15 930	9.2
General farms, primarily crop (019).....	58 515	62 828	-9.9	26 046	32 727	-20.4
Livestock, except dairy, poultry, and animal specialties (021).....	906 486	919 732	-1.4	313 183	360 326	-13.1
Dairy farms (024).....	184 628	185 566	-6	158 699	158 479	1.4
Poultry and eggs (025).....	41 971	44 352	-5.4	33 454	37 926	-11.8
Animal specialties (027).....	65 040	35 604	82.7	11 688	8 320	40.5
General farms, primarily livestock (029).....	30 244	30 572	-1.1	12 363	17 931	-31.1
Farms by type of organization						
Individual or family.....	1 945 839	1 965 860	-1.0	933 832	975 704	-4.3
Partnership.....	223 274	232 538	-4.0	151 995	155 478	-2.2
Corporation.....	59 792	50 231	19.0	52 180	45 484	14.7
Other—cooperative, estate or trust, institutional, etc.....	12 271	9 148	34.2	5 156	3 485	47.9
Tenure of operator:						
Full owners.....	1 325 773	1 297 902	2.1	481 943	485 184	-7
Part owners.....	658 249	681 112	-3.7	490 982	514 399	-4.6
Tenants.....	258 954	278 761	-7.1	170 038	160 586	-5.8
Operators by principal occupation						
Farming.....	1 234 787	1 269 305	-2.7	901 373	934 066	-3.5
Other.....	1 006 189	988 470	1.8	241 590	248 085	-1.8
Selected farm production expenses¹						
Feed for livestock and poultry..... \$1,000.....	18 591 984	15 785 995	17.8	17 894 560	15 144 923	18.2
Commercial fertilizer..... \$1,000.....	7 688 385	6 330 581	21.5	7 320 340	5 309 619	23.9
Other agricultural chemicals ² \$1,000.....	4 282 213	2 889 503	48.2	4 155 137	2 738 024	51.8
Energy and petroleum products..... \$1,000.....	9 973 865	6 025 704	85.5	9 286 502	5 475 402	69.6
Hired farm labor..... \$1,000.....	8 441 180	6 814 428	23.9	8 155 828	6 541 391	24.7
Livestock and poultry inventory						
Cattle and calves..... farms.....	1 354 992	1 346 106	.7	675 509	711 436	-5.0
..... number.....	104 475 827	103 865 109	.6	89 103 524	89 260 678	-2
Milk cows..... farms.....	277 762	312 095	-11.0	212 168	229 473	-7.5
..... number.....	10 849 890	10 221 692	6.1	10 633 947	9 722 645	7.2
Hogs and pigs..... farms.....	329 833	445 117	-25.9	219 088	263 535	-22.7
..... number.....	55 386 205	57 697 318	-4.0	53 442 310	54 115 219	-1.2
Chickens 3 months old or older..... farms.....	215 812	240 891	-10.4	77 430	99 021	-21.8
..... number.....	362 484 997	354 357 427	2.3	357 428 148	348 295 261	2.6
Crops harvested						
Corn for grain or seed..... farms.....	715 171	810 577	-11.8	546 581	587 183	-6.9
..... acres.....	69 857 993	70 043 480	-3	67 603 084	68 542 688	1.6
Wheat for grain..... farms.....	448 075	378 574	17.8	387 277	302 679	21.3
..... acres.....	70 910 293	54 155 168	30.9	66 478 845	51 202 136	33.7
Cotton..... farms.....	38 286	52 628	-27.3	33 845	43 937	-24.5
..... acres.....	9 781 404	12 693 772	-22.9	9 607 799	12 417 308	-22.6
Soybeans for beans..... farms.....	511 229	537 037	-4.8	410 441	413 062	-6
..... acres.....	84 832 842	61 339 849	5.7	62 275 679	58 047 445	7.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)..... farms.....	1 050 992	1 132 987	-7.2	593 535	845 284	-8.0
..... acres.....	58 743 836	60 241 391	-5.8	48 420 100	48 780 891	-4.8
Vegetables harvested for sale (see text)..... farms.....	89 109	73 183	-5.6	40 051	41 659	-3.9
..... acres.....	3 330 837	3 534 142	-5.8	3 202 559	3 383 252	-4.8
Land in orchards..... farms.....	123 683	121 852	1.5	51 437	53 386	-3.7
..... acres.....	4 750 687	4 463 627	6.4	4 148 243	3 908 105	6.1

¹Data are based on a sample of farms

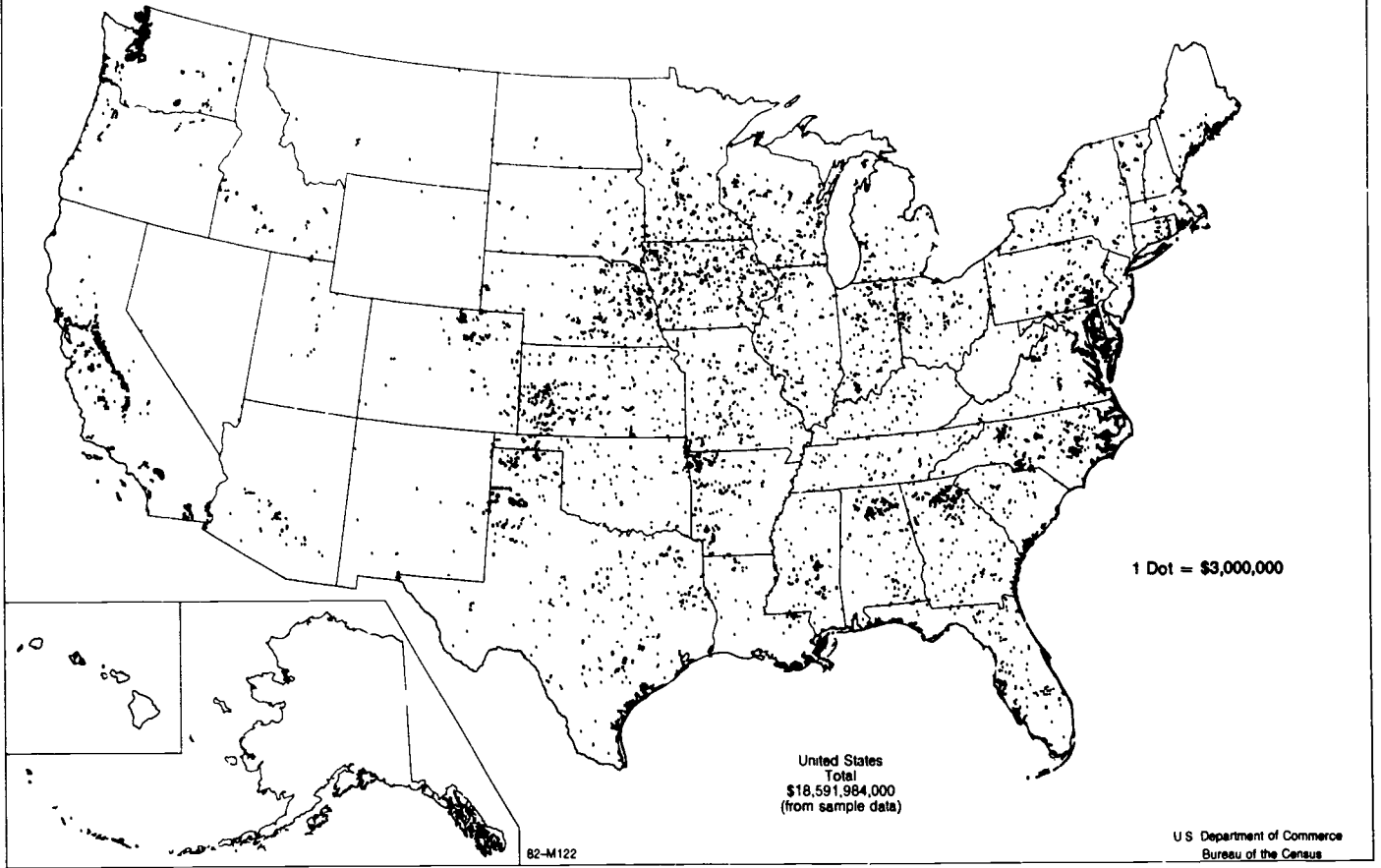
²Data for 1978 include the cost of lime which was not collected in 1982



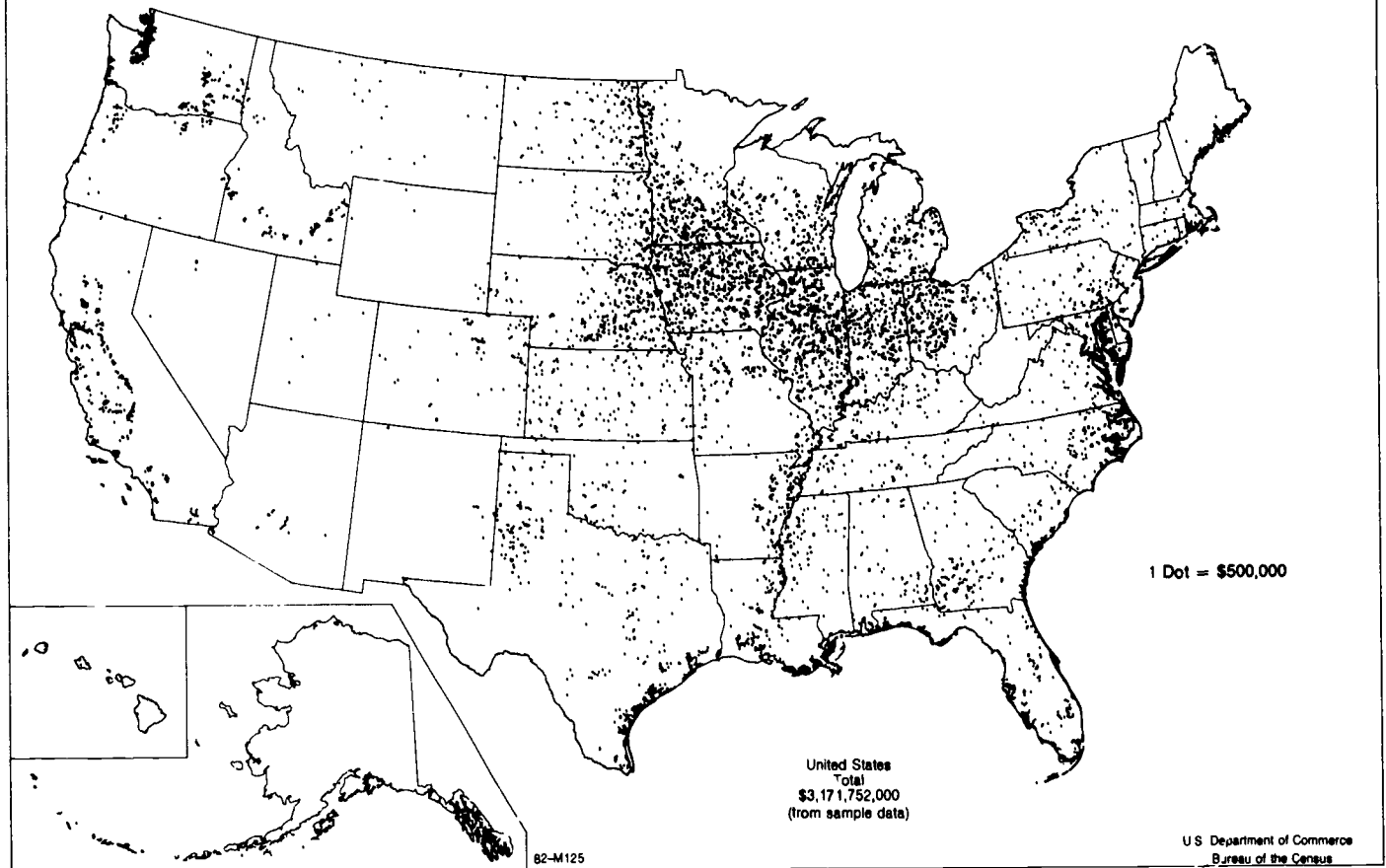
Harvested Cropland: 1982



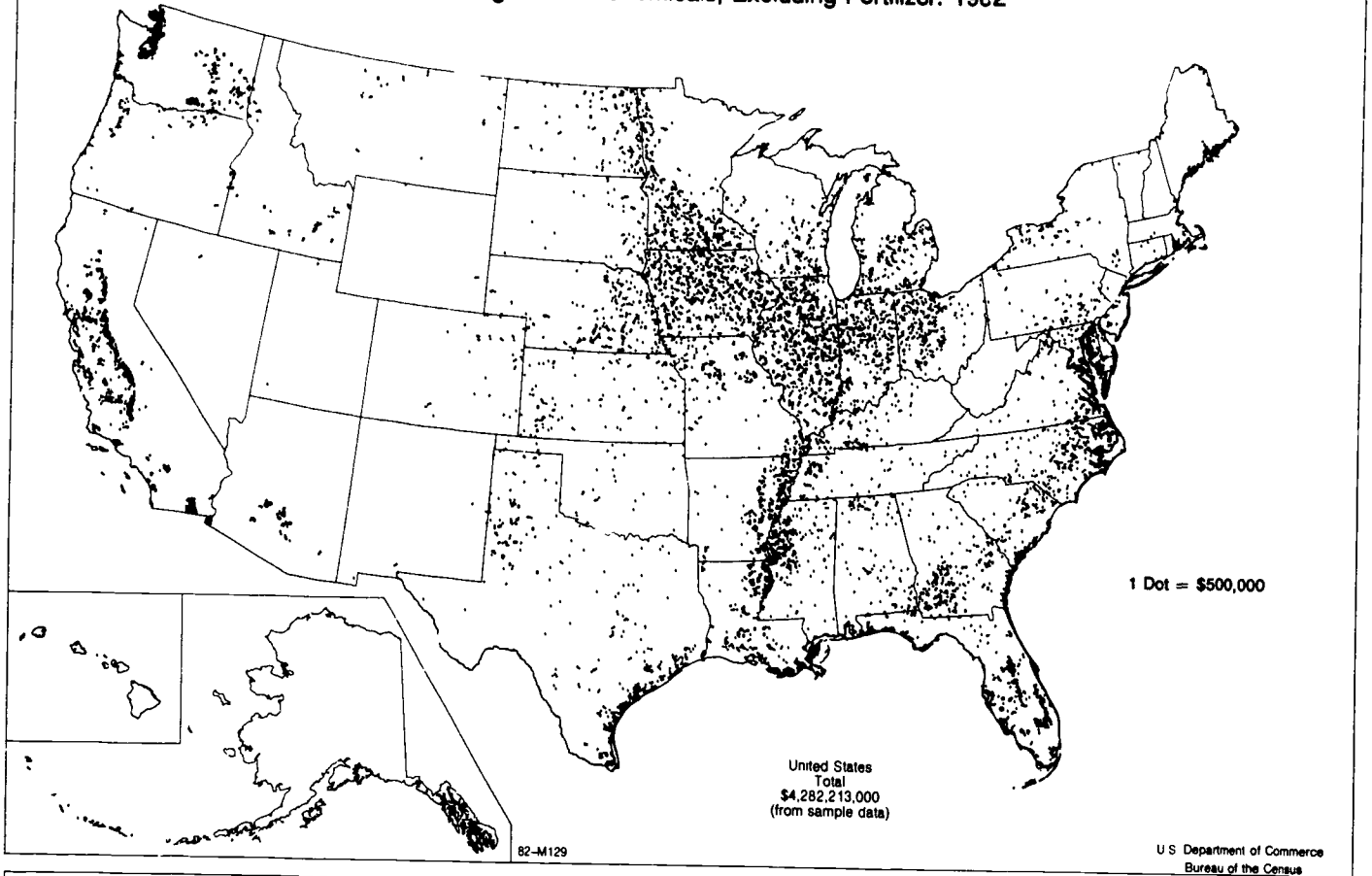
Expenses for Feed for Livestock and Poultry: 1982



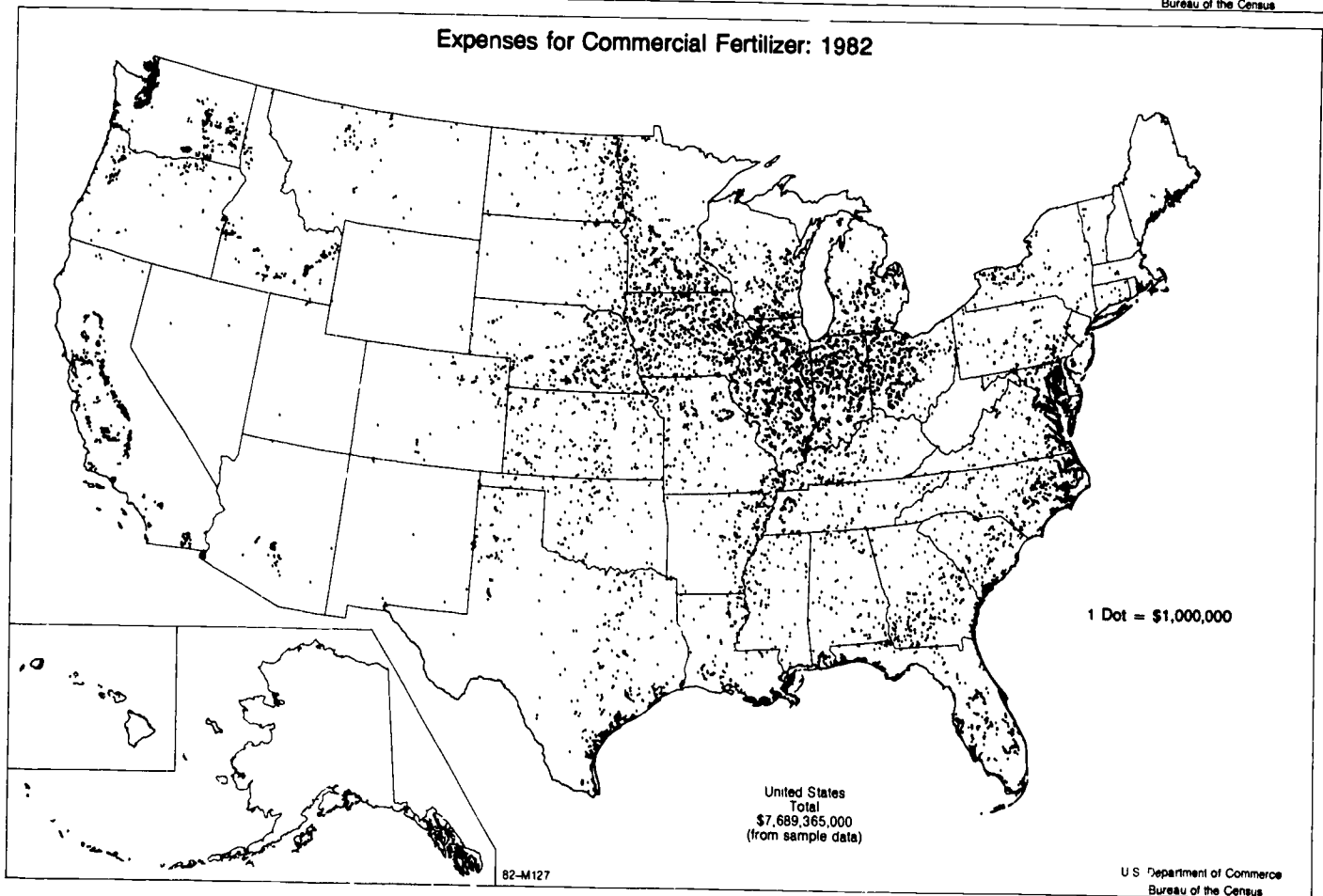
Expenses for Seeds, Bulbs, Plants, and Trees: 1982



Expenses for Agricultural Chemicals, Excluding Fertilizer: 1962



Expenses for Commercial Fertilizer: 1982



Lesson Plan 3

COMMUNITY DEVELOPMENT

Lesson Objective

After completion of this lesson, each student will be able to understand and utilize the preliminary census data and relate this data to community development efforts.

Specific Objectives

Students will be able to:

- 1.) Determine if the average age of farmers is changing.
- 2.) Write papers that contain statements of position which can be backed with facts.

Suggested Activities

- 1.) Assign students to complete Student Activity SA-3 using the data sheets on page D-3. Answers to the student activities are below.
- 2.) Discuss with students the purpose of local community development boards.
- 3.) List on the board or overhead projector the community development activities in which the local FFA has been or could be involved.
- 4.) Using the agricultural census data, prepare a report for the local economic development board, planning and zoning commission, or land preservation organization. Have class members hold a mock board meeting and present their prepared reports. Invite parents and other interested people in the community to the mock board meeting.

Answer Key for Student Activities

True or False

1. F
2. F
3. T
4. T
5. F
6. F

Short Answers

1. 342,448,434
2. 200 days or more
3. 1,234,787
4. 2,861,357 acres
5. Increase

Essay

1. Lure industry because of stable or increasing labor pool, need for vocational education.
2. Different in each community, except bankers, chamber of commerce, economic development boards, etc.

Name _____

Community Development Student Activity Sheet

After reviewing the census data on data sheet D 3, answer the following questions. Refer to the data sheet when necessary.

True or False

- _____ 1. Most of the farms in 1982 were run by operators in the age group of 35 to 44 years old.
- _____ 2. In 1982 most farms were operated as corporations.
- _____ 3. In 1982, most farms with 50 to 179 acres were located east of the Mississippi River.
- _____ 4. Most operators have been on their present farm 10 years or more.
- _____ 5. Most farms were operated as partnerships in 1982.
- _____ 6. The number of farms operated by persons of Spanish origin has increased since 1978.

Short Answer

1. How many acres were operated by full owners in 1982? _____
2. What is the most common number of days spent working off the farm in 1982? _____
3. In 1982 how many operators reported farming as their principal occupation? _____
4. In 1982 how many acres of crops were harvested by Black and other races as full owners? _____
5. Referring to question four (4), did this number increase or decrease since 1978? _____

Essay

1. How could the information on data sheet D-3 be used by your local community for development? (Be Specific.)
2. Who in your community would use this information?

Table 5. Tenure and Characteristics of Operator and Type of Organization: 1982, 1978, and 1974

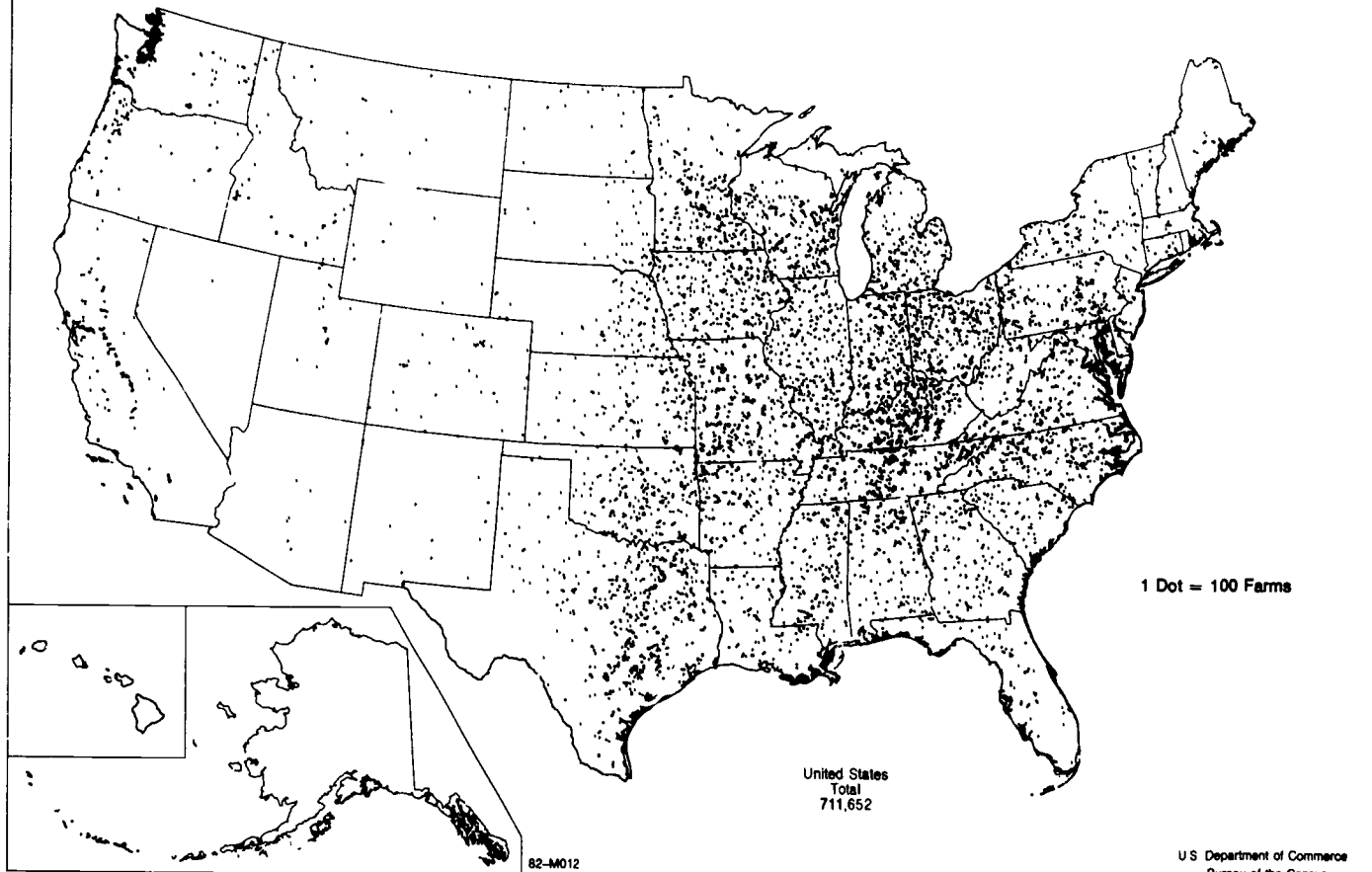
[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All farms			Farms operated by Black and other races ¹		
	1982	1978	1974	1982	1978	1974
Tenure of operator						
All operators	farms... 2 240 978	2 257 775	2 314 013	54 367	57 988	59 371
	acres... 988 796 579	1 014 777 234	1 017 030 357	52 910 825	53 824 951	8 944 680
Harvested cropland	farms... 1 809 756	1 904 601	1 954 700	40 294	45 891	48 919
	acres... 326 306 462	317 145 951	303 001 940	2 861 357	3 102 963	2 340 926
Full owners	farms... 1 325 773	1 297 802	1 423 953	33 965	34 150	36 781
	acres... 342 448 434	331 820 878	359 375 934	42 175 419	42 924 391	3 872 510
Harvested cropland	farms... 985 978	1 021 644	1 136 593	23 243	25 161	30 476
	acres... 88 881 630	80 840 426	86 205 543	988 361	931 890	791 635
Part owners	farms... 656 249	661 112	628 224	13 093	15 026	12 316
	acres... 530 703 476	561 136 719	535 300 914	9 350 836	8 539 659	3 538 803
Harvested cropland	farms... 803 711	837 146	588 238	11 164	13 307	11 238
	acres... 183 219 711	187 442 844	166 303 308	1 407 218	1 579 289	1 123 743
Tenants	farms... 25 854	278 781	261 836	7 309	8 812	8 274
	acres... 113 644 669	121 717 637	122 353 509	1 384 730	2 160 871	1 533 347
Harvested cropland	farms... 220 697	245 812	229 869	5 387	7 423	7 205
	acres... 46 225 344	49 062 663	45 493 092	467 760	591 784	425 550
Percent of tenancy	percent... 11.8	12.3	11.3	13.4	15.2	13.9
Operator characteristics						
Operators by place of residence ²						
On farm operated	1 561 101	1 565 704	1 502 488	31 597	33 906	33 982
Not on farm operated	429 322	421 790	371 833	14 132	13 749	10 926
Not reported	230 553	250 281	439 692	8 638	10 333	14 461
Operators by principal occupation ²						
Farming	1 234 787	1 269 305	1 427 368	26 367	30 054	36 936
Other	1 006 189	988 470	851 902	7 980	27 934	22 435
Operators by days of work off farm ²						
None	861 798	942 103	829 843	19 077	22 388	21 734
Any	1 187 374	1 203 286	1 011 478	29 487	31 403	25 950
1 to 49 days	156 421	181 471	134 205	3 456	4 500	3 236
50 to 99 days	87 312	71 000	62 718	2 327	2 711	2 555
100 to 149 days	74 300	72 852	81 815	2 519	2 597	2 231
150 to 199 days	114 497	107 918	94 969	3 427	3 663	3 276
200 days or more	774 844	770 045	657 971	17 756	17 932	14 050
Not reported	191 804	111 686	437 851	5 803	4 197	11 687
Operators by years on present farm						
2 years or less	127 178	(NA)	(NA)	3 350	(NA)	(NA)
3 or 4 years	192 714	(NA)	(NA)	4 399	(NA)	(NA)
5 to 9 years	80 458	(NA)	(NA)	7 035	(NA)	(NA)
10 years or more	1 097 660	(NA)	(NA)	20 150	(NA)	(NA)
Average years on present farm	17.3	(NA)	(NA)	16.8	(NA)	(NA)
Not reported	462 968	(NA)	(NA)	19 433	(NA)	(NA)
Operators by age group ²						
Under 25 years	62 336	66 575	52 418	629	787	771
25 to 34 years	293 810	285 420	239 874	4 713	4 912	3 330
35 to 44 years	443 420	433 900	403 059	8 788	8 754	7 064
45 to 54 years	505 412	549 159	577 064	11 636	12 953	13 635
55 to 64 years	536 402	552 175	588 584	14 592	15 880	17 262
65 years and over	399 596	370 546	421 471	14 311	14 702	17 309
Average age	50.5	50.3	51.7	54.8	54.3	56.3
Operators by sex:						
Male	farms... 2 119 377	2 144 978	(NA)	49 348	52 425	(NA)
	acres... 951 437 904	979 434 374	(NA)	52 149 157	52 823 823	(NA)
Female	farms... 121 599	112 799	(NA)	5 019	5 563	(NA)
	acres... 35 356 675	35 342 860	(NA)	781 468	801 126	(NA)
Operators of Spanish origin	farms... 16 183	17 572	(NA)	4 239	3 578	(NA)
	acres... 8 872 066	11 426 343	(NA)	1 265 780	1 674 214	(NA)
Type of organization						
Individual or family	farms... 1 945 639	1 965 860	(NA)	47 919	51 249	(NA)
	acres... 642 380 423	673 187 925	(NA)	7 550 982	8 445 504	(NA)
Partnership	farms... 223 274	232 536	(NA)	4 224	4 785	(NA)
	acres... 151 860 157	156 078 005	(NA)	1 180 719	1 278 489	(NA)
Corporation	farms... 59 792	50 231	(NA)	1 387	1 380	(NA)
	acres... 127 308 766	120 120 499	(NA)	1 026 877	1 071 340	(NA)
Family held						
More than 10 stockholders	farms... 1 810	1 275	(NA)	42	32	(NA)
	acres... 12 193 725	11 066 495	(NA)	89 857	155 217	(NA)
10 or less stockholders	farms... 50 842	43 136	(NA)	1 126	1 205	(NA)
	acres... 100 664 435	92 933 845	(NA)	591 933	704 225	(NA)
Other than family held						
More than 10 stockholders	farms... 1 143	1 130	(NA)	34	30	(NA)
	acres... 5 979 237	5 537 275	(NA)	278 555	135 872	(NA)
10 or less stockholders	farms... 5 997	4 683	(NA)	185	113	(NA)
	acres... 8 471 369	10 580 884	(NA)	68 532	78 026	(NA)
Other—cooperative, estate or trust, institutional, etc.	farms... 12 271	9 146	(NA)	837	574	(NA)
	acres... 85 247 233	63 390 805	(NA)	43 150 047	42 829 618	(NA)

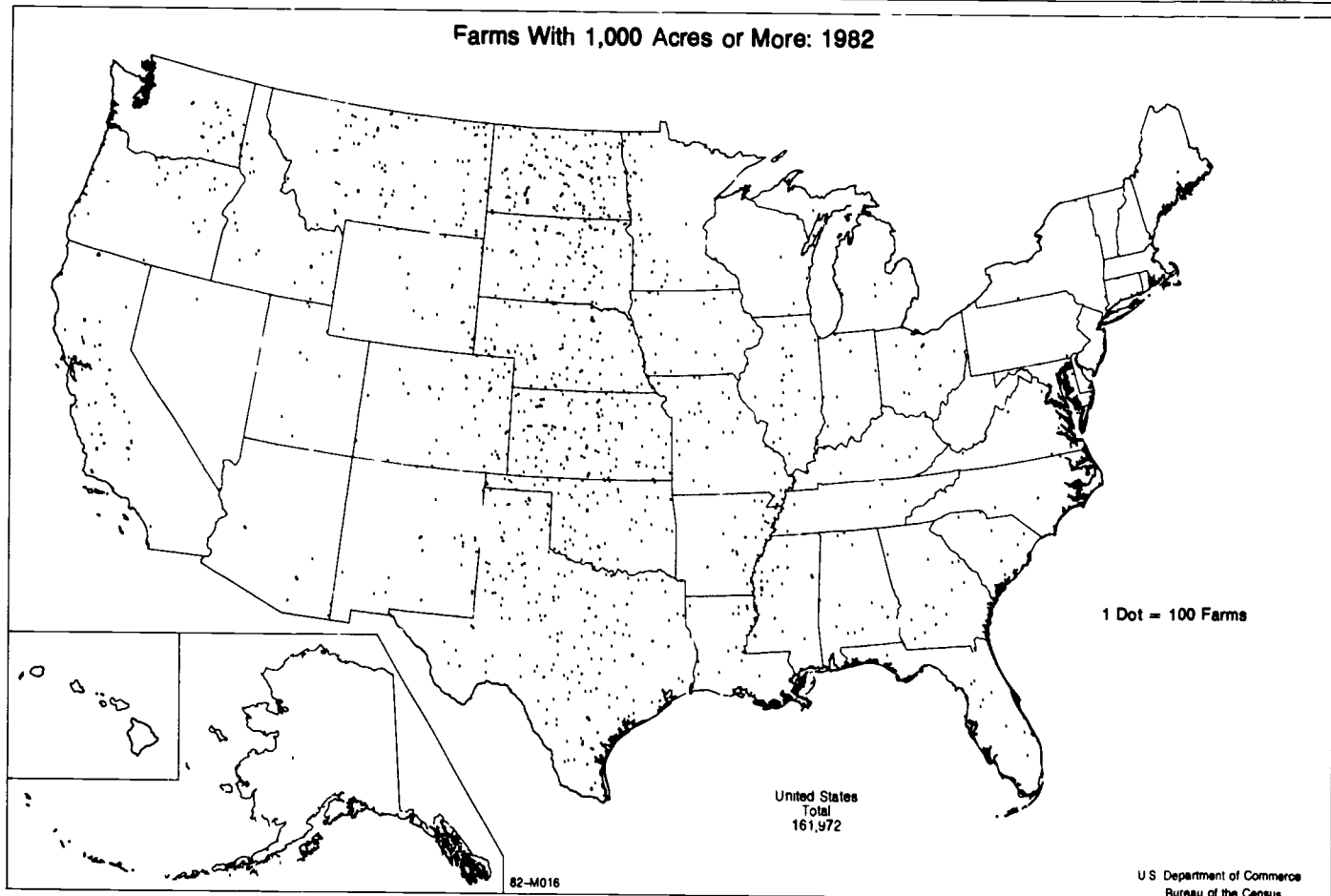
¹For classification of social and ethnic groups, see text

²1974 data apply only to individual or family operations (sole proprietorship) and partnerships, see text

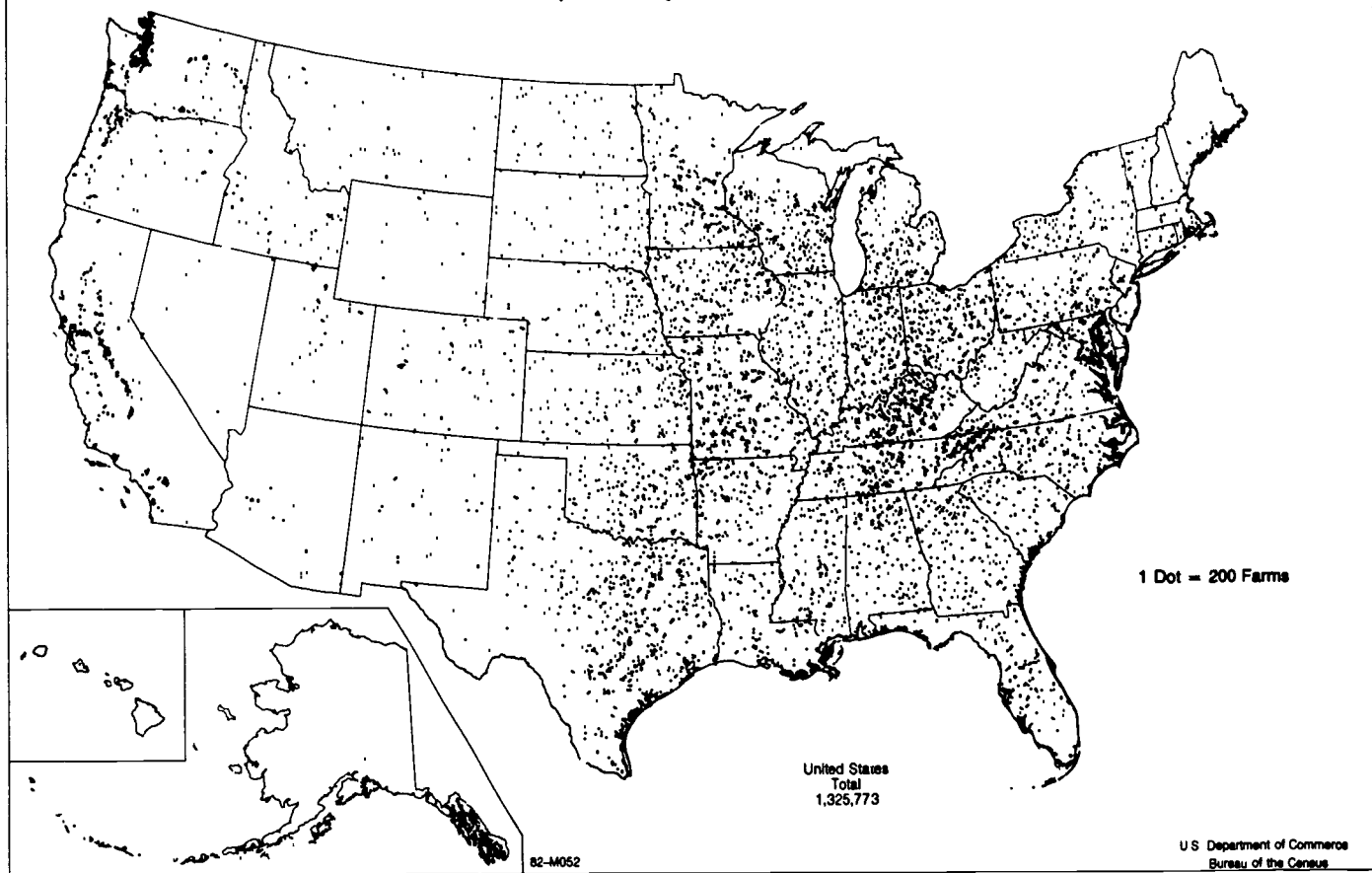
Farms With 50 to 179 Acres: 1982



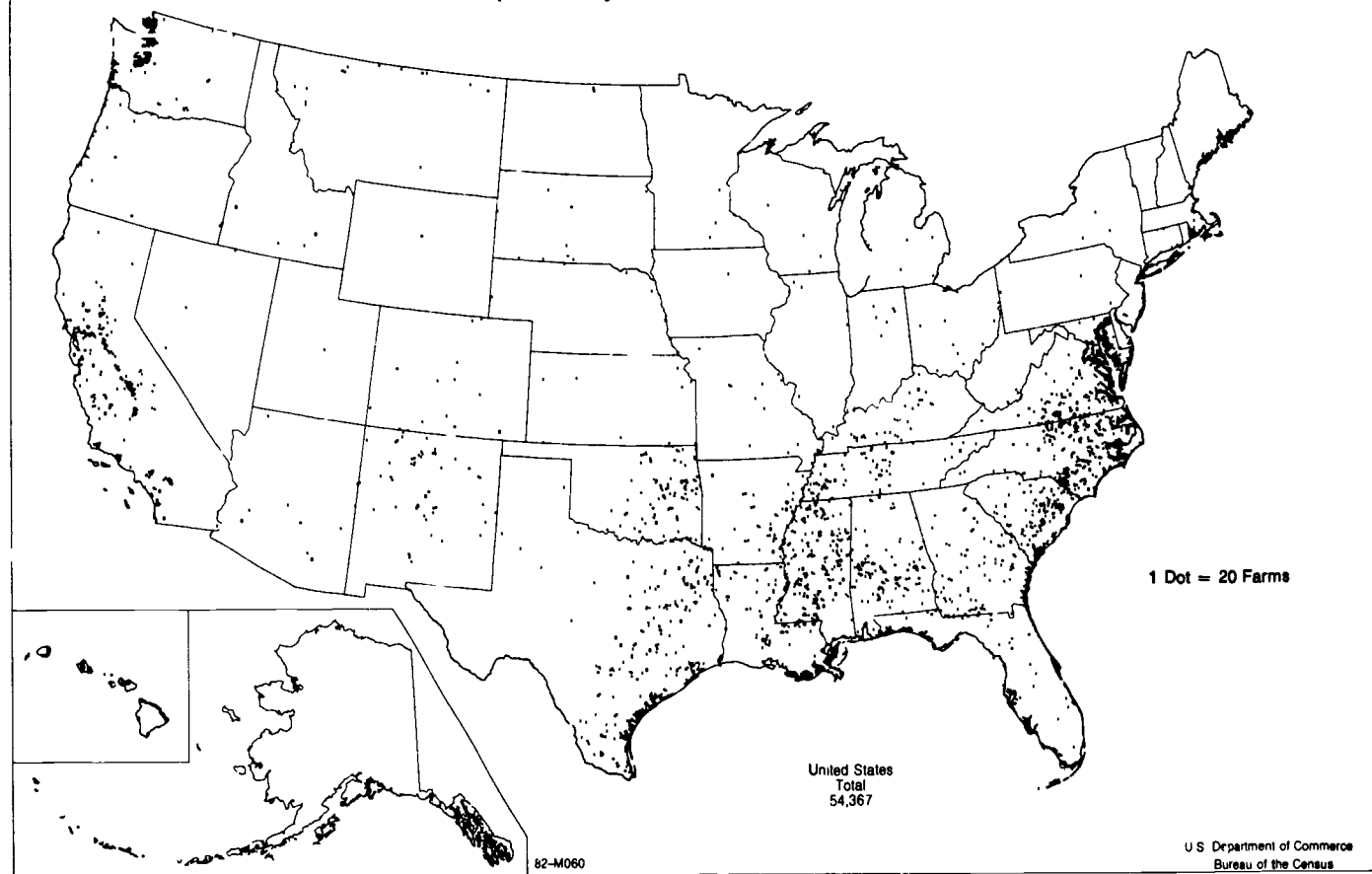
Farms With 1,000 Acres or More: 1982



Farms Operated by Full Owners: 1982



Farms Operated by Black and Other Races: 1982

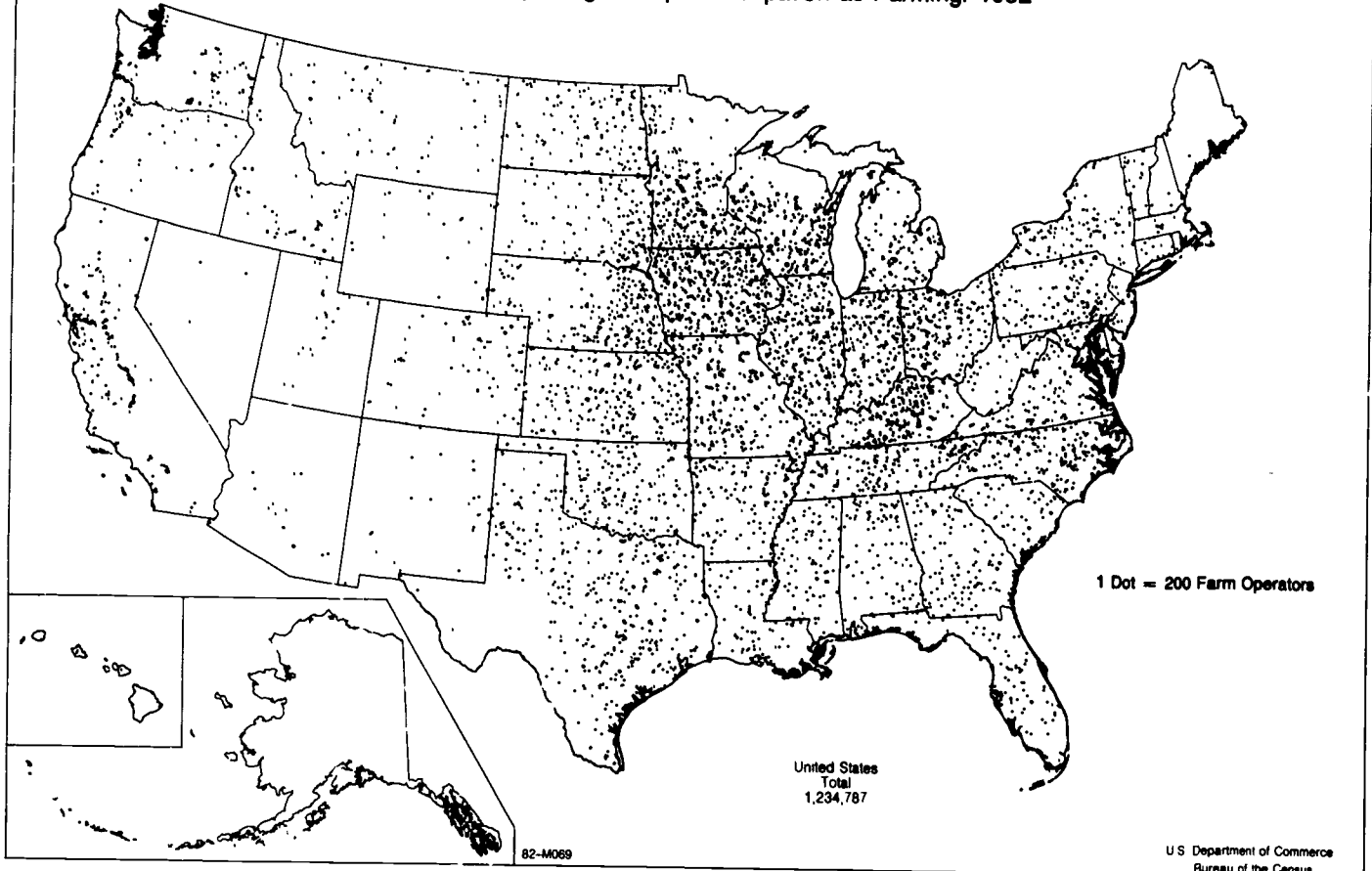


TM3-2

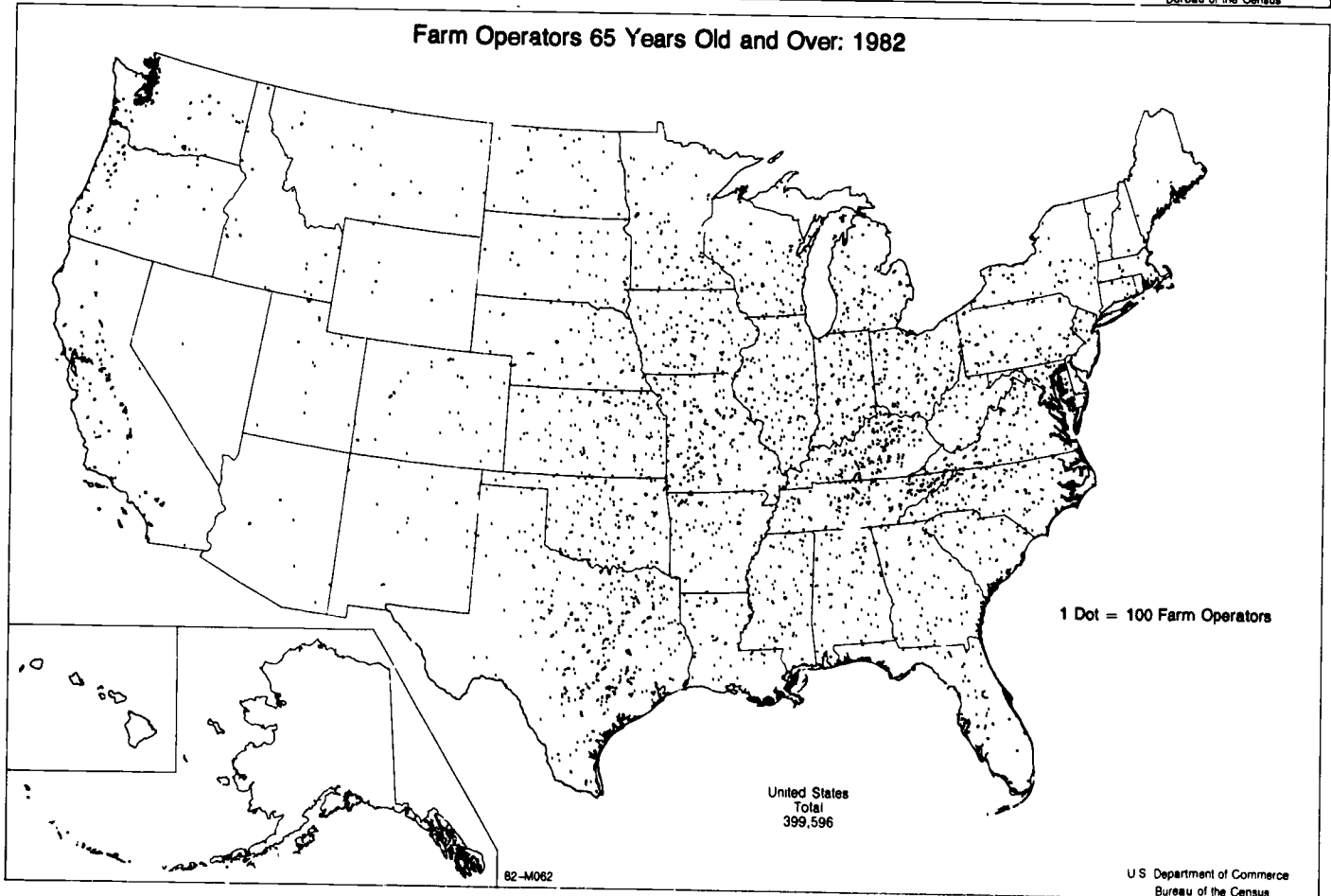
1987 CENSUS OF AGRICULTURE

24 LESSON PLANS

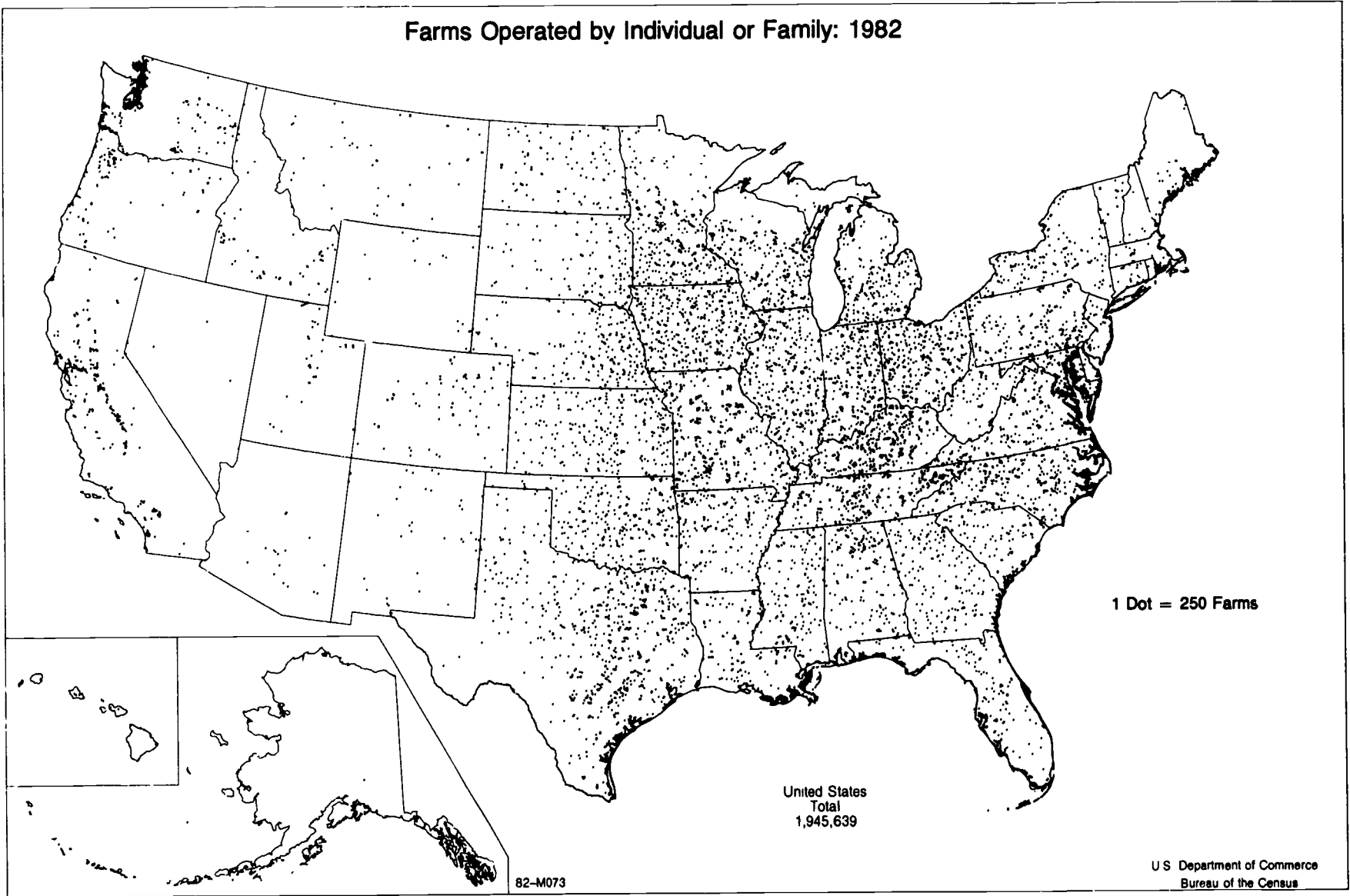
Farm Operators Reporting Principal Occupation as Farming: 1982



Farm Operators 65 Years Old and Over: 1982



TM3-3



Lesson Plan 4

SOCIAL STUDIES

Lesson Objective

After completion of this unit, each student will be able to understand the purpose of the census of agriculture and how it is used by elected officials and by both government and private agencies.

Specific Objectives

Students will be able to understand:

1. What is the census of agriculture.
2. How the census is conducted.
3. The benefits from the uses of published data from the census of agriculture.

Suggested Activities

1. Point out the difference between a census and a survey. Let the students suggest reasons why a census of agriculture may be better than a survey of agriculture.
2. Point out the three major ways of gathering data.
 - (a) person to person interviews
 - (b) telephone interviews
 - (c) mail
3. Have students discuss how census of agriculture data can be used to develop legislation or farm policies by legislators, farm organizations, government and private agencies, etc.

Answer Key for Student Activities

True or False

1. F
2. F
3. F
4. T

Short Answers

1. Every five years
2. Any place where \$1,000 or more of agricultural products were sold during the census year.
3. United States Bureau of the Census

Essay Answers

1. One possible solution is students could develop a policy by examining the number of farms with specific crops and note the farm size groups (acres). Next, they could examine the affects of price supports on these farms (i.e. number of farms with corn, wheat, soybeans, tobacco, etc. with less

than 50 acres should they be subsidized by the government). Legislators and farm organizations sometimes develop policy by reviewing the number of their constituents that would benefit from it or be harmed by it.

2.
 - a. The number of farms may have declined or increased.
 - b. The value of land and buildings per farm may have declined or increased.
 - c. Agribusinesses may have expanded their operations or gone out of business.
 - d. Land that may have been in production in 1982 is no longer in production.
 - e. Livestock operations may have increased or decreased.
3. Since it is taken every five years we can see up's and down's in various categories such as crop production, livestock production, number of farms, size of farms, principal occupation of farmers and ranchers, the value of land and buildings, etc.

Social Studies Student Activity Sheet

After reviewing the census of agriculture background information in the introductory section of the lesson plans booklet, answer the following questions. Refer to the census data on the data sheet on page D-4a and D-4b when necessary.

True or False:

- _____ 1. The census of agriculture is a voluntary survey which began in 1982.
- _____ 2. The census of agriculture is conducted by enumerators in person to person interviews.
- _____ 3. Participation by farmers and ranchers is not necessary for the tabulation of census statistics.
- _____ 4. There are a variety of benefits from the census of agriculture data.

Short Answers:

1. How often is the census of agriculture conducted? _____
2. What is the definition of a farm used in the census of agriculture? _____

3. What U.S. federal agency conducts the census of agriculture? _____

Essay

1. The congressional representatives from your state may have helped draft the 1985 Farm Bill. Review the data on data sheet D-4a and D-4b provided in the lesson plan and state how the census of agriculture could be used to develop farm policy.
2. What changes have you seen in your local agricultural community since the last census was taken in 1982?
3. Discuss how the census of agriculture data can be used to show trends in U.S. Agriculture. Review the data sheets provided in the lesson plan.

FORM 87-A0214 (9-18-85)

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS



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-A0214

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 extra forms: If you received more than one report form, enter extra Census File Number(s) here and return extra copies with your completed report.

CENSUS USE ONLY table with columns 035-038 and 039-042.

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
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.
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased. Also complete item 6 below.
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.

For this census report these are the acres in "THIS PLACE." If the entry is zero please refer to the INFORMATION SHEET, section 1.

Table for Section 5: If you rented land FROM OTHERS (item 2), enter the following information for each landlord. Columns: Name of landlord, Mailing address (Include ZIP Code), Number of acres.

List additional landlords on a separate sheet of paper.

Table for Section 6: If you rented land TO OTHERS (item 3), enter the following information for each renter. Columns: Name of renter, Mailing address (Include ZIP Code), Number of acres.

List additional renters on a separate sheet of paper.

- 5. Of the land you rented or leased to others, how many acres did you own?
7. Did you have any grazing permits on a per-head basis?
3 Forest Service
4 Taylor Grazing Sec. 3 (BLM)
5 Indian Land
6 Other - Specify

Table for Section 8: LOCATION OF AGRICULTURAL ACTIVITY FOR "THIS PLACE". Columns: County name, State, Number of acres. Includes Principal county and Other counties.

PENALTY FOR FAILURE TO REPORT

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?

Table for Section 2: CROPS harvested from "THIS PLACE" in 1987. Columns: Crop type, Acres harvested, Quantity harvested, Acres irrigated.

SECTION 3 Was any DRY HAY, GRASS SILAGE, HAYAGE, or GREEN CHOP cut or harvested from "THIS PLACE" in 1987?

Include sorghum, Sudan crosses and hay cut from pastures. 1 YES - Complete this section 2 NO - Go to section 4

Table for Section 3: DRY HAY, GRASS SILAGE, HAYAGE, and GREEN CHOP. Columns: Crop type, Acres harvested, Quantity harvested, Acres irrigated.

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.)

54 YES - Complete this section
 NO - Go to section 5

Note: For Florida report for September 1, 1986 through August 31, 1987 harvest season for all other States report for calendar year 1987.

Acres	Acres irrigated	
	Whole acres	Tenths
375	10	10

1. Land from which vegetables were harvested in 1987

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	
		Whole acres	Tenths	Whole acres	Tenths
		10		10	
		10		10	
		10		10	
		10		10	
		10		10	
		10		10	

If more space is needed use a separate sheet of paper.

Crop name	Code	Crop name	Code
Asparagus	379	Honeydew melons	423
Beans snap (bush and pole)	381	Lettuce and romaine	427
Beets	383	Lima beans green	429
Broccoli	385	Mustard greens	431
Cabbage head	391	Onions dry	433
Cantaloups and muskmelons	395	Onions green	435
Carrots	397	Okra	437
Cauliflower	399	Peas English green	441
Celery	401	(Do not include southern peas)	443
Collards	407	Peppers sweet	445
Cucumbers and pickles	411	Peppers hot	449
Eggplant	415	Pumpkins	451
Garlic	421	Radishes	451

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.)

56 YES - Complete this section
 NO - Go to section 7

From the list below, enter the 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
			10			10
			10			10
			10			10

If more space is needed use a separate sheet of paper.

Crop name	Code	Crop name	Code
Blueberries and dewberries (pounds)	509	Raspberries (pounds)	533
Blueberries tame (pounds)	512	Strawberries (pounds)	536
Blueberries wild (pounds)	515	Other berries (pounds) - Specify	539
Cranberries (100 lb barrels)	521		

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?

55 YES - Complete this section
 NO - Go to section 6

1. Nursery and greenhouse crops irrigated in 1987

None	Area irrigated		
	Square feet	Acres	Tenths
<input type="checkbox"/>	477	478	10

2. From the list below, enter the crop name and code for each crop grown

Crop name	Code	Square feet under glass or other protection in 1987	Acres in the open in 1987		Sales in 1987	
			Whole acres	Tenths	Dollars	Cents
						00
						00
						00

If more space is needed use a separate sheet of paper.

Crop name	Code	Crop name	Code
Bedding plants (include vegetable plants)	479	Potted flowering plants	710
Bulbs (Exclude bulb flowering plants)	482	Mushrooms	494
Cut flowers and cut florist greens	485	Sod harvested	497
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 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 8.)

57 YES - Complete this section
 NO - Go to section 8

From the list below, enter the crop name and code. Report quantity harvested in unit specified with crop name.

Crop name	Code	Acres harvested	Quantity harvested	Acres irrigated

If more space is needed use a separate sheet of paper.

Crop name	Code	Crop name	Code
Alfalfa seed (pounds)	542	Popcorn (pounds, shelled)	662
Beans, dry edible (Do not include dry limas) (hundredweight)	554	Proso millet (bushels)	665
Beans, dry lima (hundredweight)	557	Red clover seed (pounds)	671
Buckwheat (bushels)	575	Rice (hundredweight)	677
Corn cut for dry fodder, hogged or grazed (report acres only)	581	Rye for grain (bushels)	686
Dry southern peas (cowpeas) (bushels)	584	Safflower (pounds)	689
Emmer and spelt (bushels)	599	Sorghum cut for dry forage or hay (tons, dry)	692
Fescue seed (pounds)	602	Sorghum hogged or grazed (report acres only)	701
Flaxseed (bushels)	605	Sugar beets for sugar (tons)	719
Grains, mixed (bushels)	614	Sugarcane for sugar (tons)	722
Kentucky bluegrass seed (pounds)	629	Sugarcane for seed (tons)	725
Lentils (pounds)	635	Sunflower seed (pounds)	734
Lspedeze seed (pounds)	639	Timothy seed (pounds)	746
Mint for oil (pounds of oil)	644	Other crops (pounds) - Specify	752
Peanuts for nuts (pounds)	656		
Peas, dry edible (pounds)	659		

SECTION 8 Was there a combined total of 20 or more **FRUIT TREES, including GRAPEVINES, CITRUS, and NUT TREES,** "THIS PLACE" in 1987?

58 YES - Complete this section
 NO - Go to section 9

1. **TOTAL ACRES** in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees on this place (Do not include abandoned acres)

Total acres	Acres irrigated	
	Whole acres	Tenths
121	122	110

2. From the list at the right, enter the name and code for fruit trees, grapevines, and nut trees on this place in 1987. Report the requested information for each crop even if not harvested because of low prices, damage from hail, frost, etc.

Crop name	Code	NUMBER OF TREES OR VINES OF -		Acres in trees and vines of all ages		Quantity harvested	Unit of measure (Mark one)							
		Nonbearing age	Bearing age	Whole acres	Tenths		Lbs	Tons	Boxes	Lbs per box				

Noncitrus crops	Code	Citrus crops	Code
Apples	123	(Report quantity harvested for the 1986-87 harvest season)	
Apricots	129	Grapefruit	267
Avocados	136	Lemons	279
Cherries, sweet	345	Limes	285
Cherries, tart	587	Oranges	297
Grapes, dry weight	171	Tangelos	303
Grapes, fresh weight	177	Tangerines	309
Nectarines	201	Other citrus - Specify	315
Olives (Report quantity for Sept 1986 through March 1987 harvest season)	207		
Peaches	225	Mut crops	
Pears	231	Almonds (Report quantity in meats)	321
Plums and prunes, fresh weight	243	(Report quantity in shell)	
Prunes, dry weight	249	Filberts and hazelnuts	327
Other noncitrus - Specify	261	Pecans	339
		Walnuts, English	357
		Other nut trees - Specify	363

If more space is needed, use a separate sheet of paper.

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			
a. Corn for grain	<input type="checkbox"/>	\$ 773	00
b. Wheat	<input type="checkbox"/>	\$ 774	00
c. Soybeans	<input type="checkbox"/>	\$ 775	00
d. Sorghum for grain	<input type="checkbox"/>	\$ 776	00
e. Barley	<input type="checkbox"/>	\$ 777	00
f. Oats	<input type="checkbox"/>	\$ 778	00
g. Other — rice, dry beans, dry peas, flaxseed, popcorn, safflower, sunflower seed, rye, etc.	<input type="checkbox"/>	\$ 779	00
2. Cotton and cottonseed	<input type="checkbox"/>	\$ 780	00
3. Tobacco	<input type="checkbox"/>	\$ 781	00
4. Hay, silage, field seeds, and grass seeds	<input type="checkbox"/>	\$ 782	00
5. Vegetables, sweet corn, and melons — (Do not include Irish potatoes and sweetpotatoes. report them in item 7 below.)	<input type="checkbox"/>	\$ 783	00
6. Fruits, nuts, and berries — apples, peaches, grapes, citrus, pecans, strawberries, etc.	<input type="checkbox"/>	\$ 784	00
7. Other crops — Irish potatoes, sweetpotatoes, peanuts, sugar beets, sugarcane, mint for oil, etc. (Do not include nursery and greenhouse crops.)	<input type="checkbox"/>	\$ 785	00
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. CROPLAND		
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"/>	787
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"/>	788
c. Cropland used for cover crops, legumes, and soil-improvement grasses, but NOT harvested and NOT pastured	<input type="checkbox"/>	789
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"/>	790
e. Cropland in cultivated summer fallow	<input type="checkbox"/>	791
f. Cropland idle	<input type="checkbox"/>	793
3. Woodland — Include all woodlots and timber tracts and cutover and deforested land with young timber growth		
a. Woodland pastured	<input type="checkbox"/>	794
b. Woodland not pastured	<input type="checkbox"/>	795
4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture	<input type="checkbox"/>	796
5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above	<input type="checkbox"/>	797
6. TOTAL ACRES — 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"/>	805
c. HEIFERS AND HEIFER CALVES — (Do not include heifers that had calved)	<input type="checkbox"/>	806
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	\$ 809	00
3. Cattle, including calves weighing 500 pounds or more	<input type="checkbox"/>	810	\$ 811	00
a. Of the total cattle sold, how many were FATTENED this place on GRAIN or CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?	<input type="checkbox"/>	812	\$ 813	00

● DAIRY PRODUCTS SOLD FROM THIS PLACE IN 1987

	None	Gross value of sales	
			Dollars
4. Gross value of sales of DAIRY PRODUCTS from this place in 1987 — Include milk, cream, butter, etc.	<input type="checkbox"/>	\$ 814	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 —		
a. December 1, 1986 and May 31, 1987	<input type="checkbox"/>	818
b. June 1, 1987 and November 30, 1987	<input type="checkbox"/>	819

● 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	\$ 821	00
4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?	<input type="checkbox"/>	822	\$ 823	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

	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	

	None	Number shorn in 1987	Pounds of wool shorn in 1987
2. SHEEP and LAMBS SHORN	<input type="checkbox"/>	827	828

3. What was the gross value of sales of SHEEP, LAMBS, and WOOL from this place in 1987?

	None	Gross value of sales	
		Dollars	Cents
	<input type="checkbox"/>	\$ 829	00

SECTION 16 Did you or any one else have any HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, or ANIMAL SPECIALTIES on this place in 1987?

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	830	831	832	00
2. Colonies of bees	839	840	842	00
		841		
3. Milk goats	843	844	846	00
		845		
4. Angora goats	847	848	850	00
		849		
5. Other goats	851	852	853	00
6. Mules, burros, and donkeys	833	834	835	00
7. Mink and their pelts	838	837	838	00
8. Rabbits and their pelts	854	855	856	00
9. All other livestock and livestock products	857	858	859	00

10. Fish and other aquaculture products (Enter name and code from list below)

Name	Code	Total quantity sold in 1987	Gross value of sales	
			Dollars	Cents
DR		2		00

Name	Code	Name	Code
Catfish	880	Other fish - Specify	888
Trout	883	Other aquaculture products - Specify	889

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.

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	
			1. HENS and PULLETS of laying age
2. PULLETS for laying replacement	894	895	
			a. PULLETS 3 months old or older not yet of laying age
			b. PULLET CHICKS and PULLETS less than 3 months old (Do not include commercial broilers)
3. BROILERS, fryers, and other meat-type chickens including capons and roasters	898	899	
4. TURKEYS	900	901	
			a. Turkeys for slaughter (Do not include breeders)
b. Turkey HENS kept for breeding	902	903	
5. OTHER POULTRY raised in captivity - ducks, geese, pigeons or squab, pheasants, quail, etc (Enter poultry name and code from the list below)			

Name	Code	Name	Code	Name	Code
Ducks	904	Pigeons or squab	908	Quail	912
Geese	908	Pheasants	910	All other poultry - Specify	914

6. POULTRY HATCHED on this place ... 1987 and placed or sold - chickens, turkeys, ducks, etc -

Specify kind of poultry

7. Incubator egg capacity on December 31, 1987

8. What was the gross value of sales of poultry and poultry products (eggs, etc.) from this place in 1987?

None	Gross value of sales	
	Dollars	Cents
	918	00

SECTION 18 GOVERNMENT CCC LOANS

1. Amount received in 1987 from Government CCC loans for -

	None	Dollars	Cents
a. Corn	<input type="checkbox"/>	886	00
b. Wheat	<input type="checkbox"/>	887	00
c. Soybeans	<input type="checkbox"/>	888	00
d. Sorghum, barley, and oats	<input type="checkbox"/>	889	00
e. Cotton	<input type="checkbox"/>	890	00
f. Peanuts, rye, rice, tobacco, and honey	<input type="checkbox"/>	891	00

SECTION 19 Payments received for participation in FEDERAL FARM PROGRAMS in 1987 (DO NOT INCLUDE CCC loans.) Refer to INFORMATION SHEET, section 19

1. Amount received in cash

2. Value of certificates received - payment-in-kind (PIK) or commodity certificates

None	Dollars	Cents
<input type="checkbox"/>	894	00
<input type="checkbox"/>	895	00

SECTION 20 TYPE OF ORGANIZATION

Mark (X) the one item which best describes the type of organization for this place in 1987

- FAMILY or INDIVIDUAL operation - (Do not include partnership and corporation) 821
- PARTNERSHIP operation - Include family partnerships 822 } Go to section 22
- INCORPORATED UNDER STATE LAW 823 } Go to section 21
- OTHER, such as estate or trust, prison farm, grazing association, Indian reservation, etc. 824 } Specify below then go to section 22

SECTION 21 CORPORATE STRUCTURE (for incorporated operations only)

1. Is this a family-held corporation? 822 1 Yes 2 No

2. Are there more than 10 stockholders? 823 3 Yes 4 No

SECTION 22 CHARACTERISTICS AND OCCUPATION OF OPERATOR (Senior partner or person in charge)

1. RESIDENCE - Does the operator (senior partner or person in charge) live on this place? 823 1 Yes 2 No

2. PRINCIPAL OCCUPATION - At which occupation did the operator spend the majority (50 percent or more) of his/her worktime in 1987? 824 1 Farming 2 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? 825 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 (or senior partner) begin to operate any part of this place? 826 _____ Year

5. AGE of operator (senior partner or person in charge) 827 _____ Years old

6. RACE of operator (senior partner or person in charge) 828 1 White 2 Negro or Black 3 American Indian 4 Asian or Pacific Islander 5 Other - Specify

7. SEX of operator (senior partner or person in charge) 829 1 Male 2 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)? 830 1 Yes 2 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, poult, 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	<input type="checkbox"/>		
(Do not include ingredients purchased separately such as soybean meal, cottonseed meal and urea)	None <input type="checkbox"/>	Dollars	Cents
		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 or custom applications. (Do not include lime)	<input type="checkbox"/>	976 \$	00
6. Gasoline and other petroleum fuel and oil purchased for the farm business —			
a. Gasoline and gasohol	<input type="checkbox"/>	977 \$	00
b. Diesel fuel	<input type="checkbox"/>	978 \$	00
c. Natural gas	<input type="checkbox"/>	979 \$	00
d. LP gas, fuel oil, kerosene, motor oil, grease, etc	<input type="checkbox"/>	980 \$	00
7. Electricity for the farm business — (Do not include household expenses)	<input type="checkbox"/>	981 \$	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"/>	982 \$	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, or cooperative, etc	<input type="checkbox"/>	983 \$	00
10. Repair and maintenance expenses for the upkeep of buildings, motor vehicles, and farm equipment	<input type="checkbox"/>	984 \$	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"/>	985 \$	00
12. Interest paid on debts — (See INFORMATION SHEET)			
a. Secured by real estate	<input type="checkbox"/>	986 \$	00
b. Not secured by real estate	<input type="checkbox"/>	987 \$	00
13. Cash rent paid for land and buildings in 1987 — (Do not include grazing fees)	<input type="checkbox"/>	988 \$	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"/>	989 \$	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"/>	990 \$	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, items 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 which applied — (Do not include land plaster or gypsum or lime for sanitation)	None <input type="checkbox"/>	Tons of lime
		934
		Acres limed
		935

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

a. 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, dryers, 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

b. 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"/>	934	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"/>	956	957
6. Mower conditioners	<input type="checkbox"/>	958	959
7. Pickup balers — include rectangle and round balers	<input type="checkbox"/>	960	961

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"/>	996 \$	00
2. All land rented or leased FROM OTHERS	<input type="checkbox"/>	997 \$	00
3. All land rented or leased TO OTHERS	<input type="checkbox"/>	998 \$	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"/>	999 \$	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"/>	993 \$	00
3. Sales of forest products and Christmas trees — include maple products, naval stores, firewood, etc	<input type="checkbox"/>	994 \$	00
4. Recreational services, patronage dividends of cooperatives, and other income which is CLOSELY RELATED to the agricultural operation on this place —			
Specify	<input type="checkbox"/>	995 \$	00

SECTION 29 PERSON COMPLETING THIS REPORT — Please print

Name _____ Date _____

Telephone number _____ Area Code _____ Number _____

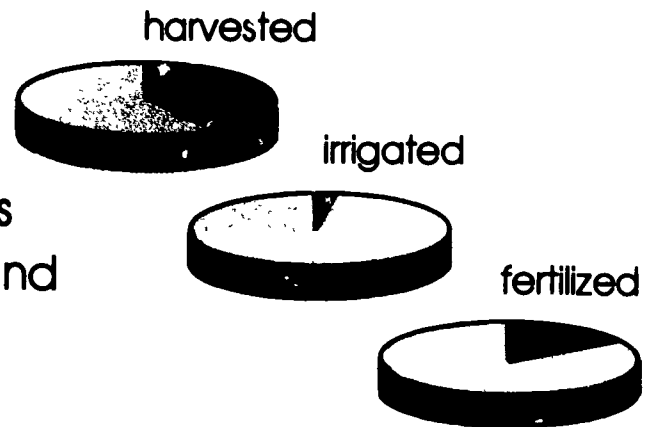


FACTS from the Census of Agriculture

The latest census of agriculture, 1982, revealed some interesting facts about the Nation's agriculture production system.

There were:

- 2.2 million farms and ranches
- 987 million acres in farms and ranches
- 326 million acres of harvested cropland
- 49 million acres of irrigated land
- 225 million acres were fertilized



The Agriculture Producer:

- 1.3 million were full-owners of their operation
- 656 thousand were part-owners of their operation
- 259 thousand were tenants

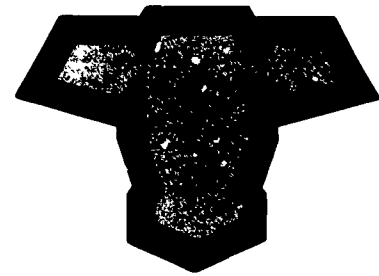
Agriculture Producers spent:

- \$17.2 billion for livestock and poultry
- \$18.6 billion for livestock and poultry feed
- \$7.7 billion for commercial fertilizer
- \$4.3 billion for agricultural chemicals
- \$8.4 billion for hired labor
- \$10 billion for energy and petroleum products



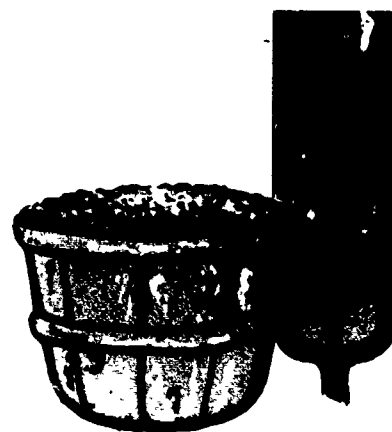
Sales

\$132 billion of agricultural products were sold
71 million head of cattle and calves were sold
95 million head of hogs and pigs were sold
11 million head of sheep and lambs were sold
3.5 billion broilers were sold



The Harvest:

210 million tons of corn
71 million tons of wheat
60 million tons of soybeans
128 million tons of hay



For additional County, State, and National census data on
Agriculture, contact:

Agriculture Division
Bureau of the Census
U.S. Department of Commerce
Washington, D.C. 20233

(301) 763-1113