

United States Census of Agriculture: 1954

U. S. Department of Agriculture
Ezra Taft Benson, *Secretary*

Agricultural Research Service
Byron T. Shaw, *Administrator*

U. S. Department of Commerce
Sinclair Weeks, *Secretary*

Bureau of the Census
Robert W. Burgess, *Director*

Volume III SPECIAL REPORTS

Part 4

Agriculture, 1954, A Graphic Summary
(A Cooperative Report)

LAND UTILIZATION • FARM MACHINERY and FACILITIES • FARM TENURE



BUREAU OF THE CENSUS
ROBERT W. BURGESS, *Director*

AGRICULTURE DIVISION
RAY HURLEY, *Chief*
WARDER B. JENKINS, *Assistant Chief*

AGRICULTURAL RESEARCH SERVICE
BYRON T. SHAW, *Administrator*

DIVISION OF FARM AND LAND MANAGEMENT RESEARCH
SHERMAN E. JOHNSON, *Director*

PRODUCTION ECONOMICS RESEARCH BRANCH
CARL P. HEISIG, *Chief*

SUGGESTED IDENTIFICATION

U. S. Bureau of the Census. *U. S. Census of Agriculture: 1954.* Vol. III, Special Reports
Part 4, Agriculture, 1954, A Graphic Summary.
U. S. Government Printing Office, Washington 25, D. C., 1956.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
or any of the Field Offices of the Department of Commerce, Price \$1.25

PREFACE

Volume III, Special Reports, comprises a group of special compilations and summaries of data from the 1954 Census of Agriculture and related surveys. Part 4 of Volume III, "Agriculture 1954, A Graphic Summary," presents in graphic form some of the significant facts regarding farms, land use, farm tenure, and farm power and machinery as shown by the 1954 Census of Agriculture.

This report has been prepared cooperatively by the Bureau of the Census, U. S. Department of Commerce, and the Agricultural Research Service, U. S. Department of Agriculture.

Chapter 1 presents some of the significant facts regarding the uses being made of agricultural land both inside and outside of farm boundaries, and changes and developments in the use of agricultural lands. This chapter was written by James R. Anderson, Agricultural Economist, Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture.

Agricultural production during the present century has been greatly influenced by the mechanization of farms. Chapter 2 presents some of the significant facts regarding the extent of use of farm power, machinery and facilities on farms, and changes and developments during recent years. This chapter was written by Martin R. Cooper, assisted by Joe F. Davis, Paul E. Strickler, Albert P. Brodell, and Julius J. Osorba, Agricultural Economists, Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture.

Chapter 3 provides some of the significant facts regarding the extent and general nature of the various forms of tenure under which farms are held and operated, and the changes and developments in farm tenure, especially during the last two decades. This chapter was prepared by Gene L. Wunderlich, Agricultural Economist, assisted by Marie B. Harmon, Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture, and by Hilton E. Robison, Supervisory Statistician, Bureau of the Census, U. S. Department of Commerce.

The preparation of these reports was under the supervision of Ray Hurley, Chief of the Agriculture Division of the Bureau of the Census, U. S. Department of Commerce. Charles F. Frazier, Ethel Lund, Olive K. Britt, Emile Hooker, and Henry A. Tucker assisted in the preparation of maps, charts, and other materials. Most of the maps were prepared under the supervision of Clarence E. Batschelet, Geographer, Bureau of the Census, U. S. Department of Commerce.

UNITED STATES CENSUS OF AGRICULTURE: 1954

REPORTS

Volume I.—Counties and State Economic Areas. Statistics for counties include number of farms, acreage, value, and farm operators; farms by color and tenure of operator; facilities and equipment; use of commercial fertilizer; farm labor; farm expenditures; livestock and livestock products; specified crops harvested; farms classified by type of farm and by economic class; and value of products sold by source.

Data for State economic areas include farms and farm characteristics by tenure of operator, by type of farm, and by economic class.

Volume I is published in 33 parts as follows:

Part	State or States	Part	State or States	Part	State or States
1	New England States: Maine. New Hampshire. Vermont. Massachusetts. Rhode Island. Connecticut.	8	West North Central: Minnesota.	21	East South Central—Continued Alabama.
		9	Iowa.	22	Mississippi.
		10	Missouri.		West South Central: Arkansas.
		11	North Dakota and South Dakota.	23	Louisiana.
		12	Nebraska.	24	Oklahoma.
2	Middle Atlantic States: New York. New Jersey. Pennsylvania.	13	Kansas.	25	Texas.
	East North Central.		South Atlantic: Delaware and Maryland.	26	Mountain: Montana.
3	Ohio.	14	Virginia and West Virginia.	27	Idaho.
4	Indiana.	15	North Carolina and South Carolina.	28	Wyoming and Colorado.
5	Illinois.	16	Georgia.	29	New Mexico and Arizona.
6	Michigan.	17	Florida.	30	Utah and Nevada.
7	Wisconsin.	18	East South Central: Kentucky.	31	Pacific: Washington and Oregon.
		19	Tennessee.	32	California.
		20		33	

Volume II.—General Report. Statistics by Subjects, United States Census of Agriculture, 1954. Summary data and analyses of the data for States, for Geographic Divisions, and for the United States by subjects as illustrated by the chapter titles listed below:

Chapter	Title	Chapter	Title
I	Farms and Land in Farms.	VII	Field Crops and Vegetables.
II	Age, Residence, Years on Farm, Work Off Farm.	VIII	Fruits and Nuts, Horticultural Specialties, Forest Products.
III	Farm Facilities, Farm Equipment.	IX	Value of Farm Products.
VI	Farm Labor, Use of Fertilizer, Farm Expenditures, and Cash Rent.	X	Color, Race, and Tenure of Farm Operator.
V	Size of Farm.	XI	Economic Class of Farm.
VI	Livestock and Livestock Products.	XII	Type of Farm.

Volume III.—Special Reports

Part 1.—Multiple-unit Operations. This report will be similar to Part 2 of Volume V of the reports for the 1950 Census of Agriculture. It will present statistics for approximately 900 counties and State economic areas in 12 Southern States and Missouri for the number and characteristics of multiple-unit operations and farms in multiple units.

Part 2.—Ranking Agricultural Counties. This special report will present statistics for selected items of inventory and agricultural production for the leading counties in the United States.

Part 3.—Alaska, Hawaii, Puerto Rico, District of Columbia, and U. S. Possessions. These areas were not included in the 1954 Census of Agriculture. The available current data from various Government sources will be compiled and published in this report.

Part 4.—Agriculture, 1954, a Graphic Summary. This report will present graphically some of the significant facts regarding agriculture and agricultural production as revealed by the 1954 Census of Agriculture.

Part 5.—Farm-mortgage Debt. This will be a cooperative study by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census. It will present, by States, data based on the 1954 Census of Agriculture and a special mail survey to be conducted in January 1956, on the

number of mortgaged farms, the amount of mortgage debt, and the amount of debt held by principal lending agencies.

Part 6.—Irrigation in Humid Areas. This cooperative report by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census will present data obtained by a mail survey of operators of irrigated farms in 28 States on the source of water, method of applying water, number of pumps used, acres of crops irrigated in 1954 and 1955, the number of times each crop was irrigated, and the cost of irrigation equipment and the irrigation system.

Part 7.—Popular Report—The American Farmer in 1954. This report is planned to be a general, easy-to-read publication for the general public on the status and broad characteristics of United States agriculture.

Part 8.—Size of Operation by Type of Farm. This will be a cooperative special report to be prepared in cooperation with the Agricultural Research Service of the U. S. Department of Agriculture. This report will contain data for 119 economic sub-regions, (essentially general type-of-farming areas) showing the general characteristics for each type of farm by economic class. It will provide data for a current analysis of the differences that exist among groups of farms of the same type. It will furnish statistical basis for a realistic examination of production of such commodities as wheat, cotton, and dairy products in connection with actual or proposed governmental policies and programs.