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MISCELLANEOUS PUBLICATION No. 153

LIST OF PUBLICATIONS

OF THE

UNITED STATES

DEPARTMENT OF AGRICULTURE

FROM JANUARY, 1926, TO DECEMBER, 1930, INCLUSIVE

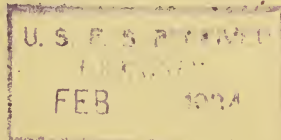
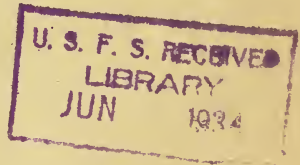
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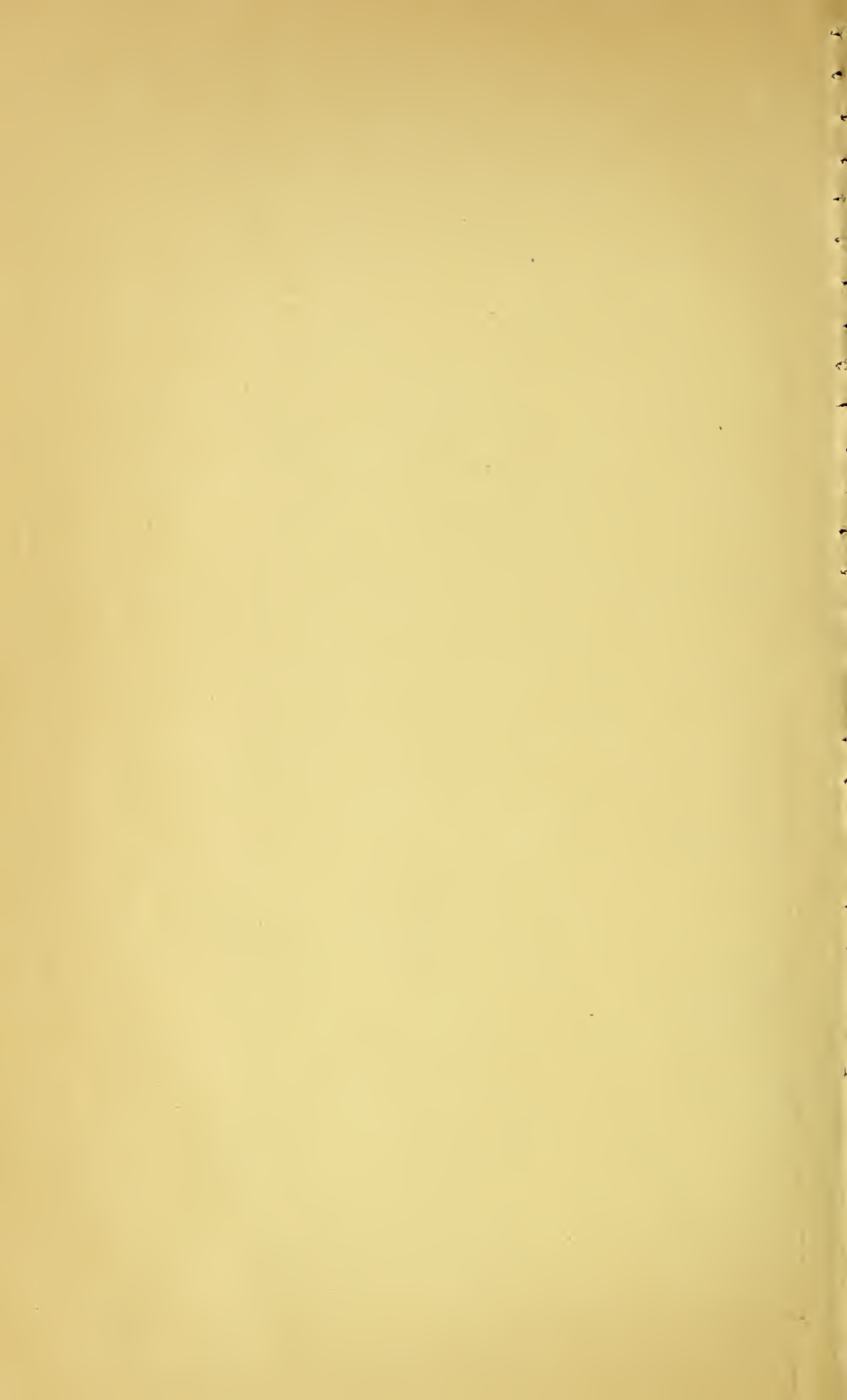
MABEL G. HUNT

*In Charge, Indexing Section
Division of Publications, Office of Information*

Supplementary to Miscellaneous Publication No. 9



UNITED STATES
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CIRCULARS

1. Testing cows for production every other month. J. C. McDowell. 4 p. 1927.
2. Acala cotton, a superior upland variety from southern Mexico. O. F. Cook and C. B. Doyle. 30 p. 1927.
3. Proved dairy sires J. C. McDowell and W. E. Wintermeyer. 8 p. 1927.
4. Settlers' progress in dry-land farming in eastern New Mexico. E. O. Wooton. 43 p. 1927.
5. Work of the Scotts Bluff Field Station, 1922 to 1925. James A. Holden. 46 p. 1927.
6. Purebred dairy-sire introduction. W. E. Wintermeyer. 24 p. 1927.
7. An apparatus for the rapid vaporization of carbon disulphide. C. A. Weigel, H. D. Young, and R. L. Swenson. 8 p. 1927.
8. National standards for farm products. Lloyd S. Tenny. 52 p. 1927.
9. The Bates laboratory aspirator. E. N. Bates and George P. Bodnar. 12 p. 1927.
10. Joint use of a sales organization by two cooperative associations. Kelsey B. Gardner. 32 p. 1927.
11. Comparative values of types of anti-hog-cholera serum. D. I. Skidmore. 8 p. 1927.
12. Dairy work at the Woodward Field Station, Woodward, Okla., 1921 to 1926. C. J. Stauber, Duncan Stuart, and R. R. Graves. 24 p. 1927.
13. Curing and preserving citron. Lucia McCulloch. 8 p. 1927.
14. Status of imported parasites of the European corn borer. D. W. Jones and D. J. Caffrey. 8 p. 1927.
15. The farm real-estate situation, 1926-27. E. H. Wiecking. 42 p. 1927.
16. Some economic aspects of the marketing of milk and cream in New England. William A. Schoenfeld. 74 p. 1927.
17. A ten-year review of home-management extension, 1914-1924. Madge J. Reese. 46 p. 1927.
18. Experimental dissemination of the Tabanid egg parasite *Phanurus emersoni* Girault and biological notes on the species. D. C. Parman. 7 p. 1928.
19. Forests and floods. Ward Shepard. 24 p. 1928.
20. Seed production from sugar beets overwintered in the field. John C. Overpeck. 8 p. 1928.
21. America and the world's woodpile. Raphael Zon and William N. Sparhawk. 16 p. 1928.
22. Ten years of agronomy extension, 1915 to 1924. O. S. Fisher. 24 p. 1928.
23. A score of easily propagated lilies. David Griffiths. 36 p. 1928.
24. United States grades, color standards, and packing requirements for honey. 32 p. 1927.
25. Production of certain iris bulbs. David Griffiths. 23 p. 1928.
26. Comparison of purebred and grade dairy cows. J. C. McDowell. 7 p. 1928.
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31. Japanese flowering cherries. Paul Russell. 8 p. 1928.
32. The regional lymph glands of food animals. John S. Buckley and Thomas Castor. 31 p. 1928.
33. Soil erosion a national menace. H. H. Bennett and W. R. Chapline. 36 p. 1928.
34. Chemical-dust seed treatments for dent corn. J. R. Holbert, C. S. Reddy, and Benjamin Koehler. 6 p. 1928.
35. The commercial production of sauerkraut. Edwin LeFevre. 31 p. 1928.
36. Sugar-cane variety tests in Louisiana during the crop year, 1926-27. R. D. Rands, Sidney F. Sherwood, and F. D. Stevens. 15 p. 1928.
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42. The yellow day lilies. B. Y. Morrison. 14 p. 1928.
43. Home demonstration work under the Smith-Lever Act, 1914-1924. Florence E. Ward. 36 p. 1929.
44. Marketing California grapes. E. W. Stillwell and W. F. Cox. 153 p. 1928.

45. The application of sodium fluosilicate by airplane in an attempt to control the sugar-cane moth borer. T. E. Holloway, W. E. Haley, and J. W. Ingram. 8 p. 1928.
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48. Improved apparatus and method for making "shellings" of rough rice. W. D. Smith. 19 p. 1928.
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50. Proximate composition of fresh fruits. Charlotte Chatfield and Laura I. McLaughlin. 20 p. 1928.
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52. Varietal standardization of sorgo and the selection of seed. H. B. Cowgill. 23 p. 1929.
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59. Removal of spray residue from apples and pears in the Pacific Northwest. H. C. Diehl, D. F. Fisher, Henry Hartman, J. R. Magness, and R. H. Robinson. 20 p. 1929.
60. The farm real estate situation, 1927-28. E. H. Wiecking. 64 p. 1928.
61. A high-pressure gas-compression system. J. R. Dilley and W. L. Edwards. 19 p. 1929.
62. The utilization of browse forage as summer range for cattle in southwestern Utah. C. L. Forsling and Earle V. Storm. 30 p. 1929.
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78. Condition of farmers in a white-farmer area of the cotton piedmont, 1924-1926. Howard A. Turner and L. D. Howell. 48 p. 1929.
79. The application of statistical methods to seed testing. G. N. Collins. 18 p. 1929.
80. Organization and management problems of cooperative oil associations in Minnesota. Rudolph K. Froker and H. Bruce Price. 47 p. 1929.
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88. Variety tests of sugarcane in Louisiana during the crop year 1927-28. George Arceneaux and F. D. Stevens. 16 p. 1929.
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96. Game birds suitable for naturalizing in the United States. W. L. McAtee. 24 p. 1929.
97. Rate of deterioration of sugar content of some P. O. J. sugarcane varieties in Louisiana. G. B. Sartoris. 27 p. 1929.
98. The Wonderful variety of pomegranate; composition, commercial maturity, and by-products. E. M. Chace, C. G. Church, and H. D. Poore. 16 p. 1930.
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100. Business analysis of the Tobacco Growers' Cooperative Association. John J. Scanlan and J. M. Tinley. 152 p. 1929.
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102. The production of lily bulbs. David Griffiths. 56 p. 1930.
103. Market classes and grades of dressed veal and calf carcasses. W. C. Davis and C. M. Harris. 32 p. 1930.
104. Johne's disease (paratuberculosis) of livestock. Elmer Lash and William M. Mohler. 8 p. 1930.
105. Knotty lumber for boxes. G. E. Heck and I. B. Lanpher. 20 p. 1930.
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120. Growing trees for forest planting in Montana and Idaho. D. S. Olson. 92 p. 1930.
121. Cooperative marketing and purchasing, 1920-1930. R. H. Elsworth. 56 p. 1930.
122. Daffodils. David Griffiths. 74 p. 1930.
123. A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot. F. H. Lathrop and C. B. Nickels. 15 p. 1930.
124. Rate of growth of second-growth southern pines in full stands. R. D. Forbes and Donald Bruce. 77 p. 1930.
125. Experiments in the use of fertilizers in growing forest planting material at the Savenac Nursery. W. G. Wahlenberg. 38 p. 1930.
126. Pathological conditions ascribed to nematodes in poultry. Eloise B. Cram. 11 p. 1930.
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128. Effectiveness of moisture-excluding coatings on wood. George M. Hunt. 28 p. 1930.
130. Traps for the Japanese beetle. E. R. Van Leeuwen and F. W. Metzger. 16 p. 1930.
131. Utilization of black locust. John B. Cuno. 20 p. 1930.
132. Fighting the corn borer with machinery in the two-generation area. C. O. Reed, R. B. Gray, L. H. Worthley, and D. J. Caffrey. 50 p. 1930.
133. Methods of eradicating buckthorn (*Rhamnus*) susceptible to crown rust (*Puccinia coronata*) of oats. S. M. Dietz and L. D. Leach. 16 p. 1930.
134. Suggestions for the management of spruce stands in the Northeast. Marinus Westveld. 24 p. 1930.
135. Blemishes and discolorations of market onions. G. B. Ramsey. 4 p. 1930.
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138. Development and use of baking powder and baking chemicals. L. H. Bailey. 16 p. 1930.
139. Method and procedure of soil analysis used in the division of soil chemistry and physics. W. O. Robinson. 20 p. 1930.
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141. Hardiness and yield of winter-wheat varieties. Karl S. Quisenberry and J. Allen Clark. 31 p. 1930.
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148. Parasites and parasitic diseases of horses. Benjamin Schwartz, Marion Imes, and Willard H. Wright. 55 p. 1930.
150. The farm real estate situation, 1929-30. E. H. Wiecking and B. R. Stauber. 70 p. 1930.

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DEPARTMENT BULLETINS

1357. The strawberry rootworm, a new pest on greenhouse roses. C. A. Weigel. 48 p. 1926.
1358. Range watering places in the Southwest. M. W. Talbot. 44 p. 1926.
1359. Issued in 1925.
1360. Market classes and grades of livestock. C. E. Gibbons. 48 p. 1926.
- 1361-1362. Issued in 1925.
1363. Host relations of *Compsilura concinnata* Meigen, an important Tachinid parasite of the gipsy moth and the brown-tail moth. R. T. Webber and J. V. Schaffner, Jr. 32 p. 1926.
1364. Effects on honeybees of spraying fruit trees with arsenicals. N. E. McIndoo and G. S. Demuth. 32 p. 1926.
1365. Development of flowers and bolls of Pima and Acala cotton in relation to branching. H. F. Loomis. 28 p. 1927.
1366. Check list of diseases of economic plants in the United States. Paul J. Anderson, Royal J. Haskell, Walter C. Muenscher, Clara J. Weld, Jessie I. Wood, and G. Hamilton Martin. 112 p. 1926.
1367. Coloring citrus fruit in Florida. William R. Barger and Lon A. Hawkins. 20 p. 1926.
1368. Cold storage of Florida grapefruit. Lon A. Hawkins and William R. Barger. 7 p. 1926.
1369. The cattle grubs or ox warbles, their biologies and suggestions for control. F. C. Bishopp, E. W. Laake, H. M. Brundrett, and R. W. Wells. 120 p. 1926.
1371. Effectiveness against the San José scale of the dry substitutes for liquid lime-sulphur. W. S. Abbott, Julian J. Culver, and W. J. Morgan. 27 p. 1926.
1372. Transmitting ability of twenty-three Holstein-Friesian sires. R. R. Graves. 32 p. 1926.
1373. Dust control in grain elevators. Hylton R. Brown and J. O. Reed. 48 p. 1926.
1374. Studies of the pink bollworm in Mexico. W. Ohlendorf. 64 p. 1926.
1375. The Brown-Duvel moisture tester and how to operate it. D. A. Coleman and E. G. Boerner. 44 p. 1926.
1376. Nuttall's death camas (*Zygadenus nuttallii*) as a poisonous plant. C. Dwight Marsh, A. B. Clawson, and Glenwood C. Roe. 14 p. 1926.
1377. A study of the value of crop rotation in relation to soil productivity. Wilbert W. Weir. 68 p. 1926.
1378. Relation of soil conditions and orchard management to the rosette of pecan trees. J. J. Skinner and J. B. Demaree. 16 p. 1926.
1379. Electroculture. Lyman J. Briggs, A. B. Campbell, R. H. Heald, and L. H. Flint. 35 p. 1926.
1380. A pathological survey of the Para rubber tree (*Hevea brasiliensis*) in the Amazon Valley. James R. Weir. 130 p. 1926.
1381. Cost of producing hogs in Iowa and Illinois, years 1921-1922. Oscar Steanson and R. H. Wilcox. 31 p. 1926.
1382. The relation between the ability to pay and the standard of living among farmers: A socio-economic study of 861 white families of Kentucky, Tennessee, and Texas. E. L. Kirkpatrick and J. T. Sanders. 32 p. 1926.
1383. Single-bath hot-water and steam treatments of seed wheat for the control of loose smut. V. F. Tapke. 29 p. 1926.
1384. The effectiveness of extension in reaching rural people: A study of 3,954 farms in Iowa, New York, Colorado, and California, 1923-24. M. C. Wilson. 20 p. 1926.
1385. The poultry and egg industry in Europe. Howard C. Pierce. 61 p. 1926.
1386. Some panicle characters of sorgo. Horace B. Cowgill. 37 p. 1926.
1387. Experiments in rice culture at the Biggs Rice Field Station in California. Jenkin W. Jones. 39 p. 1926.
1388. Farm management problems on irrigated farms in hay and potato areas of the Yakima Valley, Wash. E. R. Johnson and S. B. Nuckols. 64 p. 1926.
1389. Deterioration of commercially packed chlorinated lime. C. C. McDonnell and Leslie Hart. 20 p. 1926.
1390. Chemistry and analysis of the permitted coal-tar food dyes. Joseph A. Ambler, W. F. Clarke, O. L. Evenson, and H. Wales. 42 p. 1926; Rev., 1927.
1391. Rayless goldenrod (*Aplopappus heterophyllus*) as a poisonous plant. C. Dwight Marsh, Glenwood C. Roe, and A. B. Clawson. 24 p. 1926.
1392. Cooperative marketing of cotton. George O. Gatlin. 48 p. 1926.
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1405. Grazing periods and forage production on the national forests. Arthur W. Sampson and Harry E. Malmsten. 55 p. 1926.
1406. The ripening, storage, and handling of apples. J. R. Magness, H. C. Diehl, M. H. Haller, W. S. Graham, D. B. Carrick, F. S. Howlett, R. E. Marshall, H. H. Plagge, and G. J. Raleigh. 64 p. 1926.
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1409. Agricultural survey of South America: Argentina and Paraguay. Leon M. Estabrook. 91 p. 1926.
1410. The brown root rot of tobacco and other plants. James Johnson, C. M. Slagg, and H. F. Murwin. 30 p. 1926.
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1413. Cocoa by-products and their utilization as fertilizer materials. G. P. Walton and R. F. Gardiner. 44 p. 1926.
1414. Management problems of cooperative associations marketing fruits and vegetables. A. W. McKay and W. J. Kuhrt. 52 p. 1926.
1415. Marketing western boxed apples. George B. Fiske and Raymond R. Pailthorp. 96 p. 1926.
1416. Marketing barreled apples. George B. Fiske. 100 p. 1926.
1417. Ozonium root rot. George L. Peltier, C. J. King, and Rayburn W. Samson. 28 p. 1926.
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50. The Angora goat and mohair industry. G. T. Willingmyre, James J. Window, D. A. Spencer, J. I. Hardy, and W. R. Chapline. Department of Agriculture; Frank E. Fitzpatrick, Charles W. Schoffstall, Department of Commerce. 120 p. 1929.
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1. Directory of field activities of the Bureau of Plant Industry. 83 p. 1927.
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216. Effect of irrigation water on vigor and vitality of seed potatoes. W. C. Edmundson. 7 p. 1930.
219. Mountain-laurel (*Kalmia latifolia*) and sheep laurel (*Kalmia angustifolia*) as stock-poisoning plants. C. Dwight Marsh and A. B. Clawson. 23 p. 1930.
229. Variations of the colloidal material extracted from the soils of the Miami, Chester, and Cecil series. R. S. Holmes and Glen Edgington. 24 p. 1930.

NOTE.—Numbers omitted have not been issued. (December 31, 1930.)

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- 1925 Agriculture Yearbook.
919. The year in agriculture. The Secretary's annual report to the President. W. M. Jardine. 105 p. 1926.
920. Statistics of grains. 116 p. 1926.
921. Statistics of fruits and vegetables. 88 p. 1926.
922. Statistics of field crops other than grains. 86 p. 1926.
923. Statistics of farm animals and their products. 196 p. 1926.
924. Foreign trade of the United States in agricultural products. 56 p. 1926.
925. Farm management and costs statistics. 71 p. 1926.
926. Miscellaneous agricultural statistics. 159 p. 1926.
927. Nutritive value of fruits, vegetables, and nuts. Caroline L. Hunt. 18 p. 1927.
928. See 1926 Yearbook of Agriculture.
929. Diseases and pests of fruits and vegetables. M. B. Waite, W. W. Gilbert, N. A. Cobb, W. R. Beattie, F. E. Brooks, J. E. Graf, W. B. Bell, and W. L. McAtee. 148 p. 1927.
930. Marketing fruits and vegetables. A. W. McKay, H. W. Samson, R. R. Pallthorpe, L. B. Flohr, L. C. Corbett, L. A. Hawkins, J. R. Magness, H. P. Gould, and W. R. Beattie. 88 p. 1927.
931. Fruit and vegetable production. L. C. Corbett, H. P. Gould, T. R. Robinson, G. M. Darrow, G. C. Husmann, C. A. Reed, D. N. Shoemaker, C. J. Hunn, J. H. Beattie, W. R. Beattie, J. B. Kincer, and L. B. Flohr. 302 p. 1927.
- 1926 Yearbook of Agriculture.
928. The year in agriculture. The Secretary's annual report to the President. W. M. Jardine. 123 p. 1927.
932. Statistics of grains. 93 p. 1927.
933. Statistics of fruits and vegetables. 62 p. 1927.
934. Statistics of field crops other than grains. 78 p. 1927.
935. Statistics of farm animals and animal products. 138 p. 1927.
936. Foreign trade of the United States in agricultural products. 26 p. 1927.
937. Miscellaneous agricultural statistics. 73 p. 1927.
938. Black currant is nurse of blister rust. Samuel B. Detwiler. 4 p. 1927.
939. Dairy by-products and methods of utilizing them. L. A. Rogers. 5 p. 1927.
940. Skim milk in dry form has various uses. George E. Holm. 3 p. 1927.
941. Apple trees attacked by cedar rust. M. B. Waite. 6 p. 1927.
942. Nemas and recent progress in nematology research. N. A. Cobb. 4 p. 1927.
943. Bamboo groves thrive in the United States. B. T. Galloway. 3 p. 1927.
944. Chinese jujube in southwestern United States. C. C. Thomas. 4 p. 1927.
945. Chinese elm in American horticulture. C. C. Thomas. 4 p. 1927.
946. Chinese dwarf Meyer lemon introduced. Roland McKee. 4 p. 1927.
947. Olives of the Barouni variety do well. Roland McKee. 3 p. 1927.
948. Quetta nectarine, a new fruit of Indian origin. B. T. Galloway. 3 p. 1927.
949. Date growing: A new industry for Southwest States. 5 p. Walter T. Swingle. 1927.
950. Alkali in irrigated districts. Carl S. Scofield. 3 p. 1927.
951. Barberry eradication in wheat areas. F. E. Kempton and L. D. Hutton. 4 p. 1927.
952. Barley varieties new to the United States. Harry V. Harlan. 1 p. 1927.
953. Corn breeding in new experiments. Frederick D. Richey. 3 p. 1927.
954. Oat varieties for the winter wheat belt yield well. T. R. Stanton. 2 p. 1927.
955. Soybean rotation increases rice yields greatly. Charles E. Chambliss. 2 p. 1927.
956. Wheat varieties for the western United States. J. Allen Clark. 3 p. 1927.

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957. Wheat breeding for resistance to leaf rust. C. E. Leighty. 2 p. 1927.
958. Flax rust control through immune strains possible. Arthur W. Henry. 2 p. 1927.
959. Wheat mosaic control through immune strains. H. H. McKinney. 2 p. 1927.
960. Corn varieties resistant to rot disease. James K. Holbert and James G. Dickson. 6 p. 1927.
961. Stem rust in many varieties attacks grain. E. C. Stakman. 2 p. 1927.
962. Smut control by disinfectants in growing favor. W. H. Tisdale. 3 p. 1927.
963. Wheats highly resistant to loose smut. V. F. Tapke. 1 p. 1927.
964. Wheat varieties resistant to stinking smut. E. F. Gaines. 3 p. 1927.
965. Experiment stations promote soil betterment. R. W. Trullinger. 3 p. 1927.
966. Experiment station work in animal disease control. W. A. Hooker. 2 p. 1927.
967. Experiment station results in food crop improvement. Henry M. Steece. 5 p. 1927.
968. Cotton of American-Egyptian variety in U. S. Thomas H. Kearney. 4 p. 1927.
969. Asepsis for plants from abroad. Walter T. Swingle and T. Ralph Robinson. 2 p. 1928.
970. Citranges and some related hybrid fruits. Walter T. Swingle and T. Ralph Robinson. 2 p. 1928.
971. Limequat: A new hardy ade fruit. Walter T. Swingle and T. Ralph Robinson. 2 p. 1928.
972. Tobacco markets show cigarettes in growing favor. Charles E. Gage. 4 p. 1928.
- 1927 Yearbook of Agriculture.
973. Statistics of grains. 95 p. 1928.
974. Statistics of fruits and vegetables. 78 p. 1928.
975. Statistics of field crops other than grains. 76 p. 1928.
976. Statistics of farm animals and animal products. 83 p. 1928.
977. Dairy and poultry statistics. 48 p. 1928.
978. Foreign trade of the United States in agricultural products. 27 p. 1928.
979. Miscellaneous agricultural statistics. pp. 1131-1212. 1928.
980. Poultry roundworms vary much in size and mode of living. Eloise B. Cram. 4 p. 1928.
981. Meat production and consumption in United States. John Roberts. 6 p. 1928.
982. Horses used in big teams give flexible power and cut costs. J. O. Williams. 3 p. 1928.
983. Beef from grass and grain gains producers' favor. W. H. Black. 3 p. 1928.
984. Pasture problems in coastal plains region of South. S. W. Greene. 3 p. 1928.
985. Bulls bred pure replace scrubs in more counties. D. S. Burch. 3 p. 1928.
986. Poultry-disease toll indicates necessity of control measures. J. R. Mohler. 2 p. 1928.
987. Sheep improvement demonstrated by U. S. Southdowns. C. G. Potts. 3 p. 1928.
988. Sheep watering permits use of dry grazing land. W. A. Denecke. 3 p. 1928.
989. Pork curing needs extreme care to give best results. K. F. Warner. 3 p. 1928.
990. Animal husbandry cooperation yields results in research. E. W. Sheets. 3 p. 1928.
991. Meat problems yield to studies by State and Federal workers. E. W. Sheets. 3 p. 1928.
992. Hog industry losing much on pigs that don't get to market. C. D. Lowe. 2 p. 1928.
993. Rubber possibilities of many kinds exist in the United States. O. F. Cook. 4 p. 1928.
994. Vegetable industry has big expansion in quarter century. L. C. Corbett. 3 p. 1928.
995. Dewberry of the Young variety has excellent qualities. George M. Darrow. 2 p. 1928.
996. Raspberry of the Van Fleet variety thrives in South. George M. Darrow. 2 p. 1928.
997. Explorer for alien plants runs many risks in far lands. B. T. Galloway. 3 p. 1928.
998. Nankeen lily scarce though grown easily in the United States. David Griffiths. 3 p. 1928.
999. Barberry eradication reducing stem rust losses in wide area. Lynn D. Hutton. 4 p. 1928.
1000. Citrus canker under control and final eradication expected. K. F. Kellerman. 2 p. 1928.
1001. Larch canker, new unwanted immigrant, attacks fir and pine. Haven Metcalf. 2 p. 1928.
1002. Crotalaria pays in soil improvement on sandy southern land. A. J. Pieters. 2 p. 1928.
1003. Tomatoes resistant to nailhead rust now widely planted. Fred J. Pritchard. 4 p. 1928.
1004. Nuts promise to be profitable crop in Northern States. C. A. Reed. 5 p. 1928.
1005. Holly from China suited to wide area in the United States. Paul Russell. 2 p. 1928.
1006. Plant-disease specimens should be properly packed and forwarded. C. L. Shear. 2 p. 1928.
1007. Vegetable gardens of U. S. owe much to American Indian. D. N. Shoemaker. 4 p. 1928.
1008. Flax resistant to wilt and sown early helps to cut losses. E. C. Stakman. 2 p. 1928.

1927 Yearbook of Agriculture—Continued.

1009. Oats of new and improved sorts may now be registered. T. R. Stanton. 3 p. 1928.
1010. Rose from Portugal, the Belle Portugaise, proves adapted to U. S. C. C. Thomas. 2 p. 1928.
1011. Fungicide as term commonly used has three definitions. M. B. Waite. 2 p. 1928.
1012. Tung-oil tree does best in southeast coastal regions. R. A. Young and George S. Jamieson. 4 p. 1928.
1013. Safflower, an oilseed crop, is adapted to northern Great Plains. Frank Rabak. 3 p. 1928.
1014. Tree giants in the Sequoia groves are menaced by tourists. E. P. Meinecke. 2 p. 1928.
1015. Peach orchards in Georgia menaced by phony disease. Lee M. Hutchins. 4 p. 1928.
1016. Irrigation farming often turns on ways of applying water. Carl S. Scofield. 4 p. 1928.
1017. Apples and pears are often injured when boxed in Douglas fir. D. F. Fisher. 2 p. 1928.
1018. Cranberries used in trial forecasts as to keeping quality. Neil E. Stevens. 2 p. 1928.
1019. Weed control aided by research at the experiment stations. Henry M. Steece. 4 p. 1928.
1020. Fruit improvement work advanced at experiment stations. J. W. Wellington. 3 p. 1928.
1021. Mango of the Carabao variety brought from Philippines is promising. Roland McKee. 2 p. 1928.
1022. Nemas sometimes aid man in his fight to control insect pests. N. A. Cobb. 2 p. 1928.
1023. See 1928 Yearbook of Agriculture.
1024. Date plantings free from pests begun in irrigated Southwest. Walter T. Swingle. 4 p. 1928.
1025. Cotton communities growing one variety only are increasing. O. F. Cook. 4 p. 1928.
- 1928 Yearbook of Agriculture.
1023. The year in agriculture. The Secretary's annual report to the President. W. M. Jardine. 85 p. 1928.
1026. Statistics of grains. 758 p. 1929.
1027. Statistics of fruits and vegetables. 827 p. 1929.
1028. Statistics of field crops other than grains. 901 p. 1929.
1029. Statistics of farm animals and animal products. 972 p. 1929.
1030. Dairy and poultry statistics. 1014 p. 1929.
1031. Foreign trade of the United States in agricultural products. 1035 p. 1929.
1032. Miscellaneous agricultural statistics. 1119 p. 1929.
1033. Belt failure often caused by neglect or faulty installation. R. F. Frey and F. P. Veitch. 4 p. 1929.
1034. Harness life can be doubled or trebled by cleaning and repairing. F. P. Veitch and R. W. Frey. 2 p. 1929.
1035. Rosin when poorly strained is much reduced in quality. F. P. Veitch. 1 p. 1929.
1036. Road work on farm outlets needs skill and right equipment. R. E. Royall. 4 p. 1929.
1037. Labels on packages of foodstuffs mean much to alert buyer. Katherine A. Smith. 5 p. 1929.
1038. Tea [and] coffee standards save on purchases by Government agencies. G. F. Mitchell. 2 p. 1929.
1039. Food colors certified by the department are both harmless and pure. H. T. Herrick. 2 p. 1929.
1040. Water supply of rural communities frequently requires purification. J. W. Sale. 2 p. 1929.
1041. Food, drug, [and] insecticide administration protects farmers in many ways. George P. Larrick. 2 p. 1929.
1042. Family living supplied by farm recorded in Maryland home study. Chase G. Woodhouse. 2 p. 1929.
1043. Animal husbandry research yields dividends to all. E. W. Sheets. 4 p. 1929.
1044. Meat combines high nutritive value with great palatability. Paul E. Howe. 2 p. 1929.
1045. Livestock improvement can be accomplished by selective breeding. Hugh C. McPhee. 3 p. 1929.
1046. Poultry breeders can increase profits by controlling production. M. A. Jull. 3 p. 1929.
1047. Poultry's mineral requirements vary at different ages. H. W. Titus. 3 p. 1929.
1048. Wool yields can be increased by rigid culling and selection. Mary J. Brandon. 2 p. 1929.
1049. Beef should be bought and cooked according to both quality and cut. H. K. Warner. 3 p. 1929.
1050. Hogs can be produced profitably in parts of northern Great Plains. R. E. Hutton. 2 p. 1929.
1051. Sheep of the Columbia type well adapted to intermountain region. J. M. Cooper. 2 p. 1929.
1052. Hog profits increased by proper selection of foundation animals. J. H. Zeller. 4 p. 1929.
1053. Livestock industry suffers heavy loss by abortion disease. John R. Mohler. 2 p. 1929.
1054. Hog-cholera losses can be much reduced by sanitary measures. U. G. Houck. 3 p. 1929.

1928 Yearbook of Agriculture—Continued.

1055. Livestock betterment registers advancement throughout the world. D. S. Burch. 2 p. 1929.
1056. Livestock weighed under improved conditions at many public stockyards. C. A. Briggs. 4 p. 1929.
1057. Beef steers produced on range should show maximum weight for age. W. H. Black. 3 p. 1929.
1058. Avocado industry is rapidly developing in Florida and California. T. Ralph Robinson. 3 p. 1929.
1059. Blackberries of four English varieties are introduced into the U. S. George M. Darrow. 2 p. 1929.
1060. Broomcorn harvesting at the milk stage produces best brush. J. B. Sieglinger. 3 p. 1929.
1061. Cemetery neatness and beauty are enhanced by parklike arrangement. Furman Lloyd Mulford. 3 p. 1929.
1062. Citrus decay less if care used by grower, dealer, and consumer. H. R. Fulton. 2 p. 1929.
1063. Citrus specialists find new methods of propagation. Walter T. Swingle and T. Ralph Robinson. 4 p. 1928.
1064. Corn breeding for resistance to cold yields good results. J. R. Holbert and W. L. Burlison. 2 p. 1929.
1065. Corn plants dying early may reveal potash lack in soil. John F. Trost. 2 p. 1929.
1066. Cotton progress in irrigated valleys a community problem. O. F. Cook. 3 p. 1929.
1067. Date varieties at all growth stages shown by vegetative characters. Silas C. Mason. 2 p. 1929.
1068. Flax resistant to wilt developed at experiment stations. A. C. Dillman. 1 p. 1929.
1069. Flowers may disappoint unless effort made to check fungous disease. Freeman Weiss. 3 p. 1929.
1070. Forest tree seedlings kept from damping-off by aluminum sulphate. Carl Hartley. 2 p. 1929.
1071. Fruit washes and their relation to storage diseases. D. F. Fisher. 3 p. 1929.
1072. Immigrant plants hold large place among U. S. crops. B. T. Galloway. 4 p. 1929.
1073. Kapok and like fibers used for pillows, life preservers, insulation. Lyster H. Dewey. 2 p. 1929.
1074. Lawn growing requires good seed, fertilizer, and persistent work. Russell A. Oakley. 5 p. 1929.
1075. Lily breeding is fertile field for plant improvement. David Griffiths. 3 p. 1929.
1076. Mushroom culture in the United States is a growing industry. E. B. Lambert. 2 p. 1929.
1077. Oat varieties that resist smut grown by experimentation. T. R. Stanton, F. A. Coffman, and V. F. Tapke. 2 p. 1929.
1078. Paper-mulch trials center about three lines of usefulness. L. H. Flint. 2 p. 1929.
1079. Peach rots and how temperature affects their development. Charles Brooks. 2 p. 1929.
1080. Plant immigrants pass numerous tests before becoming established. Knowles A. Ryerson. 3 p. 1929.
1081. Prune bud variations have varietal and trade significance. A. D. Shamel. 2 p. 1929.
1082. Rust epidemics of local areas betray barberries' presence. L. D. Hutton. 3 p. 1929.
1083. Seed-borne diseases of cereals succumb to dust fungicides. R. W. Leukel. 2 p. 1929.
1084. Seed samples of introduced plants make big collection. H. C. Skeels. 2 p. 1929.
1085. Sorgo known as Atlas yields well and resists lodging. John H. Parker. 2 p. 1929.
1086. Sugar-beet disease control progressing toward solution. G. H. Coons. 3 p. 1929.
1087. Sugar-beet leaf spot controlled by dusting from an auto truck. George H. Coons and Dewey Stewart. 2 p. 1929.
1088. Sugar-beet seed in New Mexico grown by rapid method. John C. Overpeck. 2 p. 1929.
1089. Sugar-cane varieties for sirup production now being tried out. P. A. Yoder. 2 p. 1929.
1090. Sugar industry saved in Louisiana by using disease-resistant varieties of cane. E. W. Brandes. 3 p. 1929.
1091. Tomato-blight control effected by destroying remains of the crop. W. S. Porte and Fred J. Pritchard. 3 p. 1929.
1092. Tulip "breaking" is proved to be caused by mosaic infection. M. B. McKay, Philip Brierley, and T. P. Dykstra. 2 p. 1929.
1093. Watery soft rot is very serious market disease of vegetables. G. B. Ramsey. 2 p. 1929.
1094. Winter-wheat seeding date in Great Plains varies with locality. A. F. Swanson. 1 p. 1929.
1095. Red clover's hairiness in American types is due to the leaf hopper. A. J. Pieters. 3 p. 1929.
1096. Bermuda-grass pastures can be made profitable by the proper methods. H. N. Vinal and W. T. Cobb. 3 p. 1929.
1097. Velvet beans of a bush variety developed with distinguishable seed. W. J. Morse. 2 p. 1929.

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1098. Alfalfa and red clover yellowed by leaf-hopper attack. John Monteith, jr., and E. A. Hollowell. 2 p. 1929.
 1099. Red-clover seed production depends on many factors. E. A. Hollowell. 2 p. 1929.
 1100. Japanese Higan cherries gain in favor for the adornment of parks. Paul Russell. 3 p. 1929.
 1101. Agricultural maps. O. E. Baker. 26 p. 1929.

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1102. Prices of farm products graphically presented. 591 p. 1930.
 1103. Statistics of grains. 678 p. 1930.
 1104. Statistics of cotton, sugar, and tobacco. 719 p. 1930.
 1105. Statistics of fruits and vegetables. 791 p. 1930.
 1106. Statistics of miscellaneous crops. 823 p. 1930.
 1107. Statistics of cattle, hogs, sheep, horses, and mules. 895 p. 1930.
 1108. Dairy and poultry statistics. 941 p. 1930.
 1109. Foreign trade of the United States in agricultural products. 969 p. 1930.
 1110. Miscellaneous agricultural statistics. 1059 p. 1930.
 1111. Fertilizer materials for cotton growing must be well chosen. J. J. Skinner. 4 p. 1930.
 1112. Hog-cholera control is aided by knowledge of other swine diseases. T. P. White. 3 p. 1930.
 1113. Starches imported for some uses, though U. S. makes surplus cornstarch. Louis E. Dawson. 6 p. 1930.
 1114. Cotton-gin fires frequent; chief cause is static electricity. Hylton R. Brown and Harry E. Roethe. 3 p. 1930.
 1115. Insecticidal properties of fluorine open wide field for investigation. R. H. Carter. 2 p. 1930.
 1116. Hides and skins have potential value often lost by mishandling. R. W. Frey. 3 p. 1930.
 1117. Sweetpotatoes high in food value and vitamin content. D. Breese Jones. 2 p. 1930.
 1118. Wheat that is slightly germinated helps flour when sparingly blended. J. A. LeClerc. 3 p. 1930.
 1119. Pastures have a wide variation in feeding value for livestock. Paul E. Howe. 2 p. 1930.
 1120. Hog weight affects yield and popularity of market pork cuts. K. F. Warner. 3 p. 1930.
 1121. Feeds for livestock may sometimes require special preparation. A. T. Semple. 4 p. 1930.
 1122. Horses and mules now raised are much fewer than replacement needs. S. R. Speelman. 3 p. 1930.
 1123. Lambs born twins are more profitable than singles, figures show. C. G. Potts. 2 p. 1930.
 1124. Wool of long staple is most profitable in tests with Rambouillet sheep. D. A. Spencer. 2 p. 1930.
 1125. Poultry feeds should be chosen for protein minerals and vitamins. Harry W. Titus. 3 p. 1930.
 1126. Poultry inbreeding, if practiced too closely, is found to be harmful. Morley A. Jull. 2 p. 1930.
 1127. Poultry production is increased materially by battery brooding. A. R. Lee. 4 p. 1930.
 1128. Soybeans are valuable for silage when grown with other feed crops. W. R. Dodson. 2 p. 1930.
 1129. Weather Bureau gets data on behavior and effects of tornadoes. P. C. Day. 5 p. 1930.
 1130. Chestnut blight does not mean early end of tannin-extract industry. G. F. Gravatt. 3 p. 1930.
 1131. Forage-crop seed imports vary much from year to year; sources world-wide. E. Brown. 4 p. 1930.
 1132. Roses of everblooming habit available for most requirements. Furman Lloyd Mulford. 4 p. 1930.
 1133. Weather's influence on plant diseases important and frequently dominant. M. B. Waite. 8 p. 1930.
 1134. Cotton of long staple could be produced in much greater quantity. O. F. Cook. 6 p. 1930.
 1135. Black stem rust of cereals has more than 60 physiologic forms. M. N. Levine and E. C. Stakman. 3 p. 1930.
 1136. Boron in irrigation water may hurt citrus and walnut orchards. Carl S. Scofield. 3 p. 1930.
 1137. Cotton breeding to-day works with main types known in remote past. T. H. Kearney. 9 p. 1930.
 1138. Papaya growing in south Florida has made some headway. Knowles A. Ryerson. 3 p. 1930.
 1139. Roses for trellises and arbors are a result of hybridizing. B. Y. Morrison. 3 p. 1930.
 1140. Nemas causing plant galls controlled best through crop rotation. G. Steiner. 4 p. 1930.
 1141. Exhibits for fairs give comprehensive farm information. George H. Cook. 3 p. 1930.
 1142. Labels on food packages a safe guide to buyer if text carefully read. Katharine A. Smith. 4 p. 1930.
 1143. Food and drugs imported are tested at ports for purity and true labeling. W. R. M. Wharton. 5 p. 1930.
 1144. Labels on veterinary drug preparations should be studied. H. E. Moskey. 3 p. 1930.
 1145. Canning industry's output grows under food and drugs act. George P. Larrick. 4 p. 1930.
 1146. Barley scab effectively controlled by rotations and clean fall plowing. James G. Dickson. 2 p. 1930.

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- Chemistry in the United States Department of Agriculture. 36 p. 1927.
 Agriculture in the United States. A special report supplementing the exhibit of the U. S. Department of Agriculture at the Ibero-American Exposition, Seville Spain, 1929. 95 p. 1929. Also Spanish and Portuguese editions.
 Fur resources of the United States. A special report to supplement the exhibit of the U. S. Government at the International Fur-Trade Exposition, Leipzig, Germany, 1930. 51 p. 1930. Also German edition.
 The poultry industry of the United States of America. A special report supplementing the exhibit of the U. S. Department of Agriculture at the Fourth World's Poultry Congress, London, 1930. 74 p. 1930.

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REPORT OF THE SECRETARY

1926. W. M. Jardine. 123 p. 1926.
 1927. W. M. Jardine. 90 p. 1927.
 1928. W. M. Jardine. 123 p. 1928.
 1929. Arthur M. Hyde. 112 p. 1929.
 1930. Arthur M. Hyde. 96 p. 1930.

BUREAU OF AGRICULTURAL ECONOMICS

REPORT OF THE CHIEF

1926. Lloyd S. Tenny.¹ 40 p. 1926.
 1927. Lloyd S. Tenny. 54 p. 1927.
 1928. Nils A. Olsen. 54 p. 1928.
 1929. Nils A. Olsen. 57 p. 1929.
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Vol. 11, No. 1 to Vol. 14, No. 12. January, 1927-December 1, 1930. Monthly.

CROPS AND MARKETS

Vol. 3, No. 1 to Vol. 7, No. 12. January, 1926-December, 1930. Monthly.

SERVICE AND REGULATORY ANNOUNCEMENTS

98. Rules and regulations of the Secretary of Agriculture governing the investigation and certification of the class, quality (grade), and/or condition of meat and meat food products. 4 p. 1926.
 99. Official United States standards for grades of carcass beef. 10 p. 1926.
 100. Public notice establishing official standards of the United States for grades of wool and wool top. 12 p. 1926.
 101. Regulations for warehousemen storing canned goods under the United States warehouse act. 29 p. 1926.
 102. Regulations under the United States warehouse act for warehousemen storing cottonseed for commercial but not for seed stock purposes. 35 p. 1926.
 103. Regulations of the Secretary of Agriculture governing the inspection and certification of live poultry. 5 p. 1926.
 104. Rules and regulations of the Secretary of Agriculture under the United States standard container act of August 31, 1916. 4 p. Revised, 1927.
 105. Regulations of the Secretary of Agriculture under the United States cotton futures act. Effective May 15, 1927. 27 p. 1927. Amendments 1 and 2. 1 p. each. 1927.
 106. Official standards of the United States for the inspection and certification of hay. 9 p. 1927.
 107. Rules and regulations of the Secretary of Agriculture for the enforcement of the produce agency act. 3 p. 1927. Memorandum to accompany No. 107. Title: "A statement relative to the produce agency act." 2 p. 1927. Amendment 1. 1 p. 1929.
 108. United States standards for milled rice, brown rice, and rough rice. 16 p. 1927. Amendment 1. 2 p. 1929.
 109. Items relating to the administration of the United States cotton futures and cotton standards acts. 13 p. 1928.
 110. Rules and regulations of the Secretary of Agriculture governing the inspection of hay and straw. Effective February 1, 1928. 6 p. 1928.
 111. Regulations for warehousemen storing cold-pack fruit. 24 p. 1928.
 112. Official United States standards for grades of slaughter cattle. Effective July 16, 1928. 14 p. 1928.
 113. Official United States standards for grades of vealers and slaughter calves. Effective July 16, 1928. 7 p. 1928.
 114. Official United States standards for grades of veal and calf carcasses. Effective July 16, 1928. 7 p. 1928.
 115. Regulations of the Secretary of Agriculture under the United States cotton standards act. Effective October 1, 1928. 24 p. 1928.

¹ Acting chief.

116. Rules and regulations of the Secretary of Agriculture under the United States standard container act of 1928. 5 p. 1928.
117. Proceedings of International Universal Cotton Standards Conference of 1929 and items relating to the administration of the United States cotton futures and cotton standards acts. 23 p. 1929.
118. Classification of leaf tobacco covering classes, types, and groups of grades. Issued under authority of the tobacco stocks and standards act. 8 p. 1929.
119. Regulations for warehousemen storing nuts. Superseding regulations for peanut warehouses approved September 29, 1923. 21 p. 1930.
120. Regulations of the Secretary of Agriculture governing the inspection, grading, and certification of tobacco. Effective August 1, 1930. 6 p. 1930.
121. Rules and regulations of the Secretary of Agriculture for carrying out the provisions of the perishable agricultural commodities act, 1930 (46 Stat. 531). 19 p. 1930.

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- Handbook of official grain standards for barley. 16 p. 1926.
- Handbook of official hay standards. Edward C. Parker, K. B. Seeds, and W. H. Hosterman. 48 p. 1927. Revised, 1928.
- Handbook of United States grades for milled rice, as revised, effective February 1, 1927. E. G. Boerner, W. D. Smith, and R. M. Gehl. 38 p. 1927.
- Handbook of United States grades for rough rice, as revised, effective March 1, 1927. E. G. Boerner, W. D. Smith, and R. M. Gehl. 37 p. 1927.
- Handbook of United States standards for beans. Effective September 1, 1926. 37 p. 1927.
- A handbook of dairy statistics. T. R. Pirtle. 109 p. 1928.
- Atlas of American agriculture, Advance Sheets No. 7. Pt. II, Climate. Section B. Temperature, sunshine, and wind. Joseph B. Kincer. 34 p. 1928.
- Handbook of official grain standards for wheat, shelled corn, oats, feed oats, mixed feed oats, rye, grain sorghums, and barley. Standards in effect on September 15, 1927. E. G. Boerner. 100 p. 1928.
- Standards in effect on August 30, 1928. E. G. Boerner. 100 p. 1929.
- Handbook of official standards for milled rice, brown rice, and rough rice. E. G. Boerner, W. D. Smith, and R. M. Gehl. 72 p. 1928.
- Handbook of United States standards for soybeans. Effective September 1, 1926. 20 p. 1928.

BUREAU OF ANIMAL INDUSTRY

REPORT OF THE CHIEF

1926. John R. Mohler. 43 p. 1926.
1927. John R. Mohler. 50 p. 1927.
1928. J. R. Mohler. 53 p. 1928.
1929. John R. Mohler. 62 p. 1929.
1930. John R. Mohler. 79 p. 1930.

SERVICE AND REGULATORY ANNOUNCEMENTS

Nos. 224 to 283. December, 1925–November, 1930. Monthly. Annual Index.

BUREAU OF BIOLOGICAL SURVEY

REPORT OF THE CHIEF

1926. E. W. Nelson. 20 p. 1926.
1927. Paul G. Redington. 27 p. 1927.
1928. Paul G. Redington. 34 p. 1928.
1929. Paul G. Redington. 34 p. 1929.
1930. Paul G. Redington. 56 p. 1930.

ALASKA GAME COMMISSION CIRCULARS

2. Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska. (Corrected to July 1, 1927.) 32 p. 1928.
3. Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska. (Corrected to July 1, 1928.) 30 p. 1927.
4. Amendments to the regulations respecting game animals, land fur-bearing animals, game birds, nongame birds, and nests and eggs of birds in Alaska. Effective April 1, 1928. 4 p. 1928.
5. Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska, 1928–29. (Corrected to July 1, 1929.) 30 p. 1928.
6. Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska, 1929–30. (Corrected to July 1, 1930.) 30 p. 1929.
7. Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska, 1930–31. (Corrected to July 1, 1931.) 30 p. 1930.

NORTH AMERICAN FAUNA

48. Voles of the genus *Phenacomys*.
 - I. Revision of the genus *Phenacomys*.
 - II. Life history of the red tree mouse (*Phenacomys longicaudus*).
 - A. Brazier Howell. 66 p. 1926.
49. A biographical survey of North Dakota.
 - I. Physiography and life zones.
 - II. The mammals.
 - Vernon Bailey. 226 p. 1926.

50. Revision of the American Lemming mice.
A. Brazier Howell. 38 p. 1927.
51. A taxonomic review of the American long-tailed shrews (Genera *Sorex* and *Microsorex*).
Hartley H. T. Jackson. 238 p. 1928.
52. Revision of the American chipmunks (Genera *Tamias* and *Eutamias*).
Arthur H. Howell. 157 p. 1929.

SERVICE AND REGULATORY ANNOUNCEMENTS

65. Text of Federal laws and regulations relating to game and birds. 16 p. 1926.
66. Text of Federal laws and regulations relating to game and birds. 14 p. 1927.
67. Regulations for the administration of the Upper Mississippi River Wild Life and Fish Refuge. 3 p. 1927.
68. Migratory bird treaty act, regulations and text of Federal laws relating to game and birds. 15 p. 1927.
69. Regulations for the issuance of permits for bobwhite quail imported into the United States from Mexico. [Effective November 21, 1927.] 2 p. 1927.
70. Migratory bird treaty act regulations and text of Federal laws relating to game and birds. 16 p. 1928.
71. Migratory bird treaty act regulations and text of Federal laws relating to game and birds. 16 p. 1929.
72. Migratory bird treaty act regulations and text of Federal laws relating to game and birds. 18 p. 1930.
73. Laws and regulations for the administration of Federal wild-life refuges. 6 p. 1930.

UNNUMBERED PUBLICATIONS

- Acquisition of land by purchase, gift, or lease under the migratory bird conservation act of February 18, 1929. 6 p. 1929.

BUREAU OF CHEMISTRY

REPORT OF THE CHIEF

1926. C. A. Browne. 27 p. 1926.
1927. C. A. Browne. 34 p. 1927.²

SERVICE AND REGULATORY ANNOUNCEMENTS

SUPPLEMENTS

- Nos. 207 to 230. January, 1926-June, 1927.³ Contain notices of judgment under the food and drugs act, Nos. 13801 to 15000.
- Index to Nos. 13001 to 14000. 531 p. 1926.
- Index to Nos. 14001 to 15000. 532 p. 1927.

UNNUMBERED PUBLICATIONS

- Notice of establishment and promulgation of a standard for opaque rosin. 1 p. 1926.

BUREAU OF CHEMISTRY AND SOILS

REPORT OF THE CHIEF

1928. Henry G. Knight. 30 p. 1928.⁴
1929. Henry G. Knight. 42 p. 1929.
1930. Henry G. Knight. 67 p. 1930.

BUREAU OF DAIRY INDUSTRY

REPORT OF THE CHIEF

1926. C. W. Larson. 16 p. 1926.
1927. C. W. Larson. 16 p. 1927.
1928. Not printed.
1929. O. E. Reed. 22 p. 1929.
1930. O. E. Reed. 44 p. 1930.

BUREAU OF ENTOMOLOGY

REPORT OF THE CHIEF

1926. L. O. Howard. 30 p. 1926.⁵
1927. L. O. Howard. 29 p. 1927.
1928. C. L. Marlatt. 34 p. 1928.
1929. C. L. Marlatt. 39 p. 1929.
1930. C. L. Marlatt. 76 p. 1930.

² See Bureau of Chemistry and Soils for later reports.

³ See Food, Drug, and Insecticide Administration for later years.

⁴ 1926-1927 were issued by Bureau of Chemistry and Bureau of Soils, separately.

⁵ 1926-1928 have title "Report of the Entomologist."

OFFICE OF EXPERIMENT STATIONS

REPORT OF THE CHIEF

1926. E. W. Allen. 7 p. 1926.
 1927. E. W. Allen. 8 p. 1927.
 1928. Not printed.
 1929. E. W. Allen. 10 p. 1929.
 1930. Walter H. Evans.⁶ 12 p. 1930.

REPORT ON THE AGRICULTURAL EXPERIMENT STATIONS

1924. E. W. Allen, W. H. Beal, and E. R. Flint. 114 p. 1926.⁷
 1925. E. W. Allen, W. H. Beal, and E. R. Flint. 160 p. 1926.
 1926. E. W. Allen and W. H. Beal. 122 p. 1927.
 1927. E. W. Allen, W. H. Beal, and J. I. Schulte. 124 p. 1928.
 1928. E. W. Allen, W. H. Beal, and H. M. Steece. 104 p. 1929.
 1929. W. H. Beal and H. M. Steece. 100 p. 1930.

EXPERIMENT STATION RECORD

Vol. 54, No. 1 to Vol. 63, No. 9. January, 1926–December, 1930. Abstract number. Nine numbers to a volume. Two volumes a year.

INSULAR EXPERIMENT STATIONS

ALASKA AGRICULTURAL EXPERIMENT STATIONS

ANNUAL REPORT

1924. C. C. Georgeson. 47 p. 1926.
 1925. C. C. Georgeson. 41 p. 1927.
 1926. C. C. Georgeson. 40 p. 1927.
 1927. H. W. Alberts. 40 p. 1928.
 1928. H. W. Alberts. 39 p. 1929.
 1929. H. W. Alberts. 58 p. 1930.

BULLETINS

6. Cereal growing in Alaska. C. C. Georgeson and G. W. Gasser. 40 p. 1926.
 7. Vegetable gardening in Alaska. C. C. Georgeson. 32 p. 1928.
 8. Brief history of cattle breeding in Alaska. C. C. Georgeson. 23 p. 1929.

CIRCULARS

2. Bulb growing in Alaska. C. C. Georgeson. 11 p. 1928.

GUAM AGRICULTURAL EXPERIMENT STATION

ANNUAL REPORT

1924. C. W. Edwards, F. B. Leon Guerrero, and Joaquin Guerrero. 14 p. 1926.
 1925. C. W. Edwards, Joaquin Guerrero, and S. R. Vandenberg. 20 p. 1926.
 1926. C. W. Edwards, Joaquin Guerrero, and S. R. Vandenberg. 19 p. 1928.
 1927. C. W. Edwards, Joaquin Guerrero, and S. R. Vandenberg. 17 p. 1929.
 1928. C. W. Edwards, F. B. Leon Guerrero, Joaquin Guerrero, and S. R. Vandenberg. 31 p. 1930.

BULLETINS

5. Effect of time of planting and fertilizers on the yield of vegetables. Glen Briggs. 27 p. 1926.

HAWAII AGRICULTURAL EXPERIMENT STATION

ANNUAL REPORT

1925. J. M. Westgate, W. T. Pope, H. L. Chung, J. C. Ripperton, H. F. Willey, R. A. Goff, and Mabel Greene. 24 p. 1926.
 1926. J. M. Westgate, W. T. Pope, H. L. Chung, J. C. Ripperton, H. F. Willey, R. A. Goff, and Mabel Greene. 26 p. 1927.
 1927. J. M. Westgate, W. T. Pope, H. L. Chung, J. C. Ripperton, H. F. Willey, R. A. Goff, and Mabel Greene. 27 p. 1928.
 1928. J. M. Westgate, W. T. Pope, H. L. Chung, J. C. Ripperton, C. Richter, H. F. Willey, R. A. Goff, and Mabel Greene. 29 p. 1929.
 1929. J. M. Westgate, W. T. Pope, J. C. Ripperton and C. Richter, H. L. Chnug, R. K. Lum, H. F. Willey, R. A. Goff, and Mabel Greene. 34 p. 1930.

BULLETINS

55. Banana culture in Hawaii. W. T. Pope. 48 p. 1926.
 56. Carbohydrate metabolism and its relation to growth in the edible canna. J. C. Ripperton. 35 p. 1927.

⁶ Acting chief.

⁷ Title: Work and Expenditures of the Agricultural Experiment Stations, 1924.

57. Edible canna in the Waimea district of Hawaii. J. C. Ripperton and R. A. Goff. 41 p. 1928.
 58. Mango culture in Hawaii. W. T. Pope. 27 p. 1929.
 59. The Macadamia nut in Hawaii. W. T. Pope. 23 p. 1929.
 60. Utilization and composition of oriental vegetables in Hawaii. H. L. Chung and J. C. Ripperton. 64 p. 1929.
 61. Papaya culture in Hawaii. W. T. Pope. 40 p. 1930.

EXTENSION BULLETINS

9. Hawaiian vegetables and their function in the diet. J. C. Ripperton and Nellie A. Russell. 24 p. 1926.
 10. Index to publications of the Hawaii Agricultural Experiment Station, July, 1901, to December 31, 1926. Elizabeth H. Langdale. 28 p. 1927.

PORTO RICO AGRICULTURAL EXPERIMENT STATION

ANNUAL REPORT

1924. D. W. May, J. O. Carrero, T. B. McClelland, José A. Saldaña, R. L. Davis, H. C. Henriksen, and C. M. Tucker. 29 p. 1926.
 1925. D. W. May, J. O. Carrero, H. C. Henriksen, T. B. McClelland, R. L. Davis and José A. Saldaña, G. Dikmans, and C. M. Tucker. 40 p. 1927.
 1926. D. W. May, J. O. Carrero, T. B. McClelland, R. L. Davis, H. C. Henriksen, C. M. Tucker, and G. Dikmans. 31 p. 1927.
 1927. D. W. May, J. O. Carrero, T. B. McClelland, R. L. Davis, H. C. Henriksen, C. M. Tucker, G. Dikmans, and H. L. Van Volkenberg. 31 p. 1929.
 1928. D. W. May, J. O. Carrero, T. B. McClelland, R. L. Davis, H. C. Henriksen, C. M. Tucker, and H. L. Van Volkenberg. 38 p. 1929.
 1929. D. W. May, J. O. Carrero, T. B. McClelland, R. L. Davis, H. C. Henriksen, C. M. Tucker, and H. L. Van Volkenberg. 29 p. 1930.

BULLETINS

31. Experiments with fertilizers for coffee in Porto Rico. T. B. McClelland. 34 p. 1926.
 32. Effect of topping on yield of coffee in Porto Rico. T. B. McClelland. 8 p. 1928.
 33. Citrus culture in Porto Rico. Henry C. Henriksen. 34 p. 1930.

CIRCULARS

21. List and analytical index of publications of the Porto Rico Agricultural Experiment Station. Elizabeth H. Langdale. 42 p. 1930.

VIRGIN ISLANDS AGRICULTURAL EXPERIMENT STATION

ANNUAL REPORT

1925. J. B. Thompson, W. M. Perry, M. S. Baker, A. Bisserup. 17 p. 1926.
 1926. J. B. Thompson, W. M. Perry, M. S. Baker, Francisco Quinones, and A. Bisserup. 18 p. 1927.
 1927. J. B. Thompson, M. S. Baker, W. M. Perry, and A. Bisserup. 17 p. 1928.
 1928. J. B. Thompson, Claud L. Horn, M. S. Baker, W. M. Perry, and A. Bisserup. 20 p. 1929.
 1929. J. B. Thompson, G. A. Roberts, Claud L. Horn, Maybin S. Baker, W. M. Perry, and A. Bisserup. 19 p. 1930.

BULLETINS

6. Gardening in the Virgin Islands. John B. Thompson. 19 p. 1926.

EXTENSION SERVICE

REPORT OF THE DIRECTOR

1926. C. W. Warburton. 29 p. 1926.
 1927. C. W. Warburton. 30 p. 1927.
 1928. C. W. Warburton. 40 p. 1928.
 1929. C. W. Warburton. 41 p. 1929.
 1930. C. W. Warburton. 63 p. 1930.

COOPERATIVE EXTENSION WORK

1924. With 10-year review. 131 p. 1926.
 1925. 120 p. 1927.
 1926. 119 p. 1929.
 1927. 122 p. 1929.
 1928. 134 p. 1930.

EXTENSION SERVICE REVIEW

- Vol. 1, Nos. 1 to 8. May-December, 1930. Monthly.

UNNUMBERED PUBLICATIONS

- Extension Service handbook on agriculture and home economics. T. Weed Harvey. 1 volume, loose-leaf. 1927.

FEDERAL HORTICULTURAL BOARD

REPORT

1926. C. L. Marlatt. 27 p. 1926.
 1927. C. L. Marlatt. 36 p. 1927.
 1928. C. L. Marlatt. 42 p. 1928.⁸

SERVICE AND REGULATORY ANNOUNCEMENTS

Nos. 85 to 95. October, 1925-June, 1928.⁹ Quarterly. Annual index.

SUPPLEMENTS

Title: "Annual letter of information. Pests collected from imported plants and plant products."
 Nos. 38 to 40. January 1, 1924-December 31, 1927. 1926-1928.

UNNUMBERED PUBLICATIONS

Foreign plant diseases. A manual of economic plant diseases which are new or not widely distributed in the United States. John A. Stevenson. 198 p. 1926.
 List of current quarantine and other restrictive orders and miscellaneous regulations. 6 p. 1926.
 Rules and regulations of the Secretary of Agriculture governing the inspection and certification of plants and plant products offered for export to meet the sanitary requirements of foreign countries. 3 p. 1926.

FIXED NITROGEN RESEARCH LABORATORY¹⁰

ANNUAL REPORT OF THE DIRECTOR

1926. S. C. Lind.¹¹ 1926.

UNNUMBERED PUBLICATIONS

Nitrogen fixation, a new form of agricultural and military insurance. 13 p. 1926.

FOOD AND DRUG ADMINISTRATION

REPORT

1930. W. G. Campbell. 25 p. 1930.¹²

FOOD, DRUG, AND INSECTICIDE ADMINISTRATION

REPORT OF THE CHIEF

1928. Walter G. Campbell. 16 p. 1928.¹³
 1929. Walter G. Campbell. 18 p. 1929.¹⁴

FOOD INSPECTION DECISIONS

198. Wine vinegar, grape vinegar, and malt vinegar. 1 p. 1926.
 199. Gluten flour, self-raising, "diabetic" food, and canned pea grades. 1 p. 1926.
 200. Milk and its products, including Pasteurized milk, evaporated milk, sweetened condensed milk, evaporated skimmed milk, sweetened condensed skimmed milk, dried milk, and dried skimmed milk. 2 p. 1926.
 201. Glucose, mixing glucose, confectioner's glucose. 1 p. 1926.
 202. Dutch-process chocolate, "alkalized chocolate," and Dutch-process cocoa, "alkalized cocoa." 1 p. 1926.
 203. B. Fruits and vegetables. a. Fruits and fruit products. (Except fruit juices, fresh sweet, and fermented vinegars.) 2 p. 1926.
 204. Flour. 1 p. 1926.
 205. Meats and the principal meat products. 3 p. 1926.
 206. Alimentary pastes. 1 p. 1927.
 207. Sweetened condensed milk. 1 p. 1927.
 208. Rice. 1 p. 1927.
 209. Colors in food. (Amendment to Food Inspection Decision 184.) 1 p. 1927.
 210. Cultured buttermilk. 1 p. 1927.
 211. Adulteration of oysters. (Revoking Food Inspection Decision 121.) 1 p. 1927.

⁸ See Plant Quarantine and Control Administration for later reports.

⁹ See Plant Quarantine and Control Administration for later years.

¹⁰ On July 1, 1927, the laboratory was taken over by the Bureau of Chemistry and Soils.

¹¹ Associate director, acting for E. G. Cottrell, Director.

¹² See Insecticide and Fungicide Board; Food, Drug, and Insecticide Administration for earlier reports.

¹³ See Insecticide and Fungicide Board for earlier reports.

¹⁴ See Food and Drug Administration for later reports.

NOTICES OF JUDGMENT

FOOD AND DRUGS ACT

Nos. 15001 to 17150. October, 1927-December, 1930.¹⁵
 Index to Nos. 15001 to 16000. 542 p. 1929.
 Index to Nos. 16001 to 17000. 369 p. 1930.

INSECTICIDE ACT

Nos. 1101 to 1190. December, 1928-October, 1930.

NAVAL STORES ACT

Nos. 1 to 2. 1929 and 1930.

SERVICE AND REGULATORY ANNOUNCEMENTS

No. 1. Regulations for the enforcement of the tea act. 10 p. 1928.
 No. 2. Standards under the tea act. Effective May 1, 1928. 1 p. 1928.
 No. 3. Standards under the tea act. Effective May 1, 1929. 1 p. 1929.
 Caustic Poison No. 1. Regulations for the enforcement of the caustic poison act. 12 p. 1927. Rev., 1929.
 Caustic Poison No. 2. Acceptable antidotes for dangerous caustic or corrosive substances covered by the Federal caustic poison act. 3 p. 1928.

SUPPLEMENTS

No. 1. Amendment to regulations for the enforcement of the caustic poison act. 1 p. 1928.
 Food and Drug No. 1. Regulations for the enforcement of the Federal food and drugs act. (Ninth revision.) 19 p. 1927.
 Food and Drug No. 2. Definitions and standards for food products. (Superseding Office of the Secretary Circulars 13, 17, 19, and 136.) 20 p. 1927.
 Food and Drug No. 3. Certification of coal-tar food colors. 10 p. 1927.
 Import Milk No. 1. Regulations for the enforcement of the Federal import milk act. 6 p. 1927.

FOREST SERVICE

REPORT OF THE FORESTER

1926. William B. Greeley. 47 p. 1926.
 1927. William B. Greeley. 46 p. 1927.
 1928. Robert Y. Stuart. 61 p. 1928.
 1929. Robert Y. Stuart. 60 p. 1929.
 1930. Robert Y. Stuart. 79 p. 1930.

FOREST WORKER

Vol. 3, No. 1 to Vol. 6, No. 6. January, 1927-November, 1930. Bimonthly.

UNNUMBERED PUBLICATIONS

Forest Service directory, April, 1926. (Issued each April and October.)
 Forestry facts. A compendium of short items, paragraphs, and handy information for use by newspapers, speakers, teachers, and other citizens of the United States interested in renewing and perpetuating America's great heritage of forests. American Forest Week, April 18-24, 1926. 15 p. 1926.
 ———. American Forest Week, April 24-30, 1927. 16 p. 1927.
 ———. American Forest Week, 1928. 16 p. 1928.
 Grow trees. Facts for American Forest Week, April 18-24, 1926. 14 p. 1926.
 Instructions for sheep herders and camp tenders on the national forests. 8 p. 1926.
 Law enforcement on national forests, California district. 1 p. 1926.
 Program for observance of American Forest Week, April 18-24, 1926, by schools, Boy Scout and Four-H club meetings, and other assemblies. 16 p. 1926.
 ———. April 24-30, 1927. 16 p. 1927.
 ———. 1928. 16 p. 1928.
 The Rocky Mountain Forest Experiment Station. 32 p. 1926.
 The story of the range. Will C. Barnes. 60 p. 1926.
 The use book. A manual of information about the national forests. Grazing section, 1926. 96 p. 1926.
 Forestry as a profession. Edward A. Sherman. 16 p. 1927.
 Present needs in national and State forestry. William B. Greeley. 8 p. 1927.
 The Abney level handbook. H. A. Calkins and J. B. Yule. 44 p. 1927.
 Kaibab National Forest, Arizona. 6 p. 1928.
 Regulations of the Secretary of Agriculture for the occupancy, use, protection, and administration of the national forests. 30 p. 1928.
 Forest figures, North Pacific District (Oregon and Washington). 56 p. 1929.
 Cascade National Forest, Oregon; its purposes and resources. 13 p. 1930.
 Roads and national forests in Montana and northern Idaho. 21 p. 1930.
 Timpanogos Cave National Monument, American Fork Canyon, Wasatch National Forest, Utah. 8 p. 1930.
 Trespass law enforcement handbook, Forest Service District 1. Revised 1929. P. J. O'Brien. 105 p. 1930.

¹⁵ See Service and Regulatory Announcements, Bureau of Chemistry, Supplements, for earlier issues.

GRAIN FUTURES ADMINISTRATION

REPORT OF THE CHIEF

1926-1929. Not printed.
1930. J. W. T. Duvel. 15 p. 1930.

BUREAU OF HOME ECONOMICS

REPORT OF THE CHIEF

1926. Louise Stanley. 12 p. 1926.
1927. Louise Stanley. 11 p. 1927.
1928. Louise Stanley. 9 p. 1928.
1929. Louise Stanley. 11 p. 1929.
1930. Louise Stanley. 13 p. 1930.

UNNUMBERED PUBLICATIONS

Record of family expenditures. Chase G. Woodhouse. 5 p., loose-leaf. 1927.

OFFICE OF INFORMATION

REPORT OF THE DIRECTOR

1926-1928. Not printed.
1929. M. S. Eisenhower. 21 p. 1929.
1930. M. S. Eisenhower. 25 p. 1930.

CLIP SHEET

Nos. 393 to 652. January 4, 1926-December 28, 1930. Weekly.

U. S. RADIO FARM SCHOOL

DAIRY SHORT COURSE

1. Dairy herd improvement. October 8-November 26, 1926. J. C. McDowell, 22 p. 1926.
 - Lesson 1. Culling unprofitable cows.
 - Lesson 2. Selecting animals for the foundation herd.
 - Lesson 3. Better cows from better sires.
 - Lesson 4. Butterfat and income.
 - Lesson 5. Feed cost and income over cost of feed.
 - Lesson 6. When should cows freshen?
 - Lesson 7. Comparison of purebreds, grades, and scrubs.
 - Lesson 8. Cow-testing associations.
2. Better milk production. October 8-November 26, 1926. 28 p. 1926.
 - Lesson 1. The desirability of clean milk. Ernest Kelly.
 - Lesson 2. General considerations in producing clean milk. Ernest Kelly.
 - Lesson 3. Sterilizing milk utensils. R. J. Posson.
 - Lesson 4. Cooling and transporting milk. R. J. Posson.
 - Lesson 5. Effect of feeds on the flavor and odor of milk. C. J. Babcock.
 - Lesson 6. Cleaning milking machines. L. H. Burgwald.
 - Lesson 7. The cream separator. William White.
 - Lesson 8. Caring for milk in the home. R. J. Posson.
3. Feeding dairy cattle. December 3, 1926, to January 21, 1927. J. R. Dawson. 24 p. 1927.
 - Lesson 1. Introduction and general consideration.
 - Lesson 2. Roughages for dairy cows.
 - Lesson 3. Concentrates.
 - Lesson 4. Winter feeding and feeding practices.
 - Lesson 5. Minerals for dairy cows.
 - Lesson 6. Planning next summer's feed.
 - Lesson 7. Feeding dairy calves.
 - Lesson 8. Feeding the dairy heifer.
4. Dairy herd management. December 3, 1926, to January 21, 1927. J. R. Dawson. 26 p. 1927.
 - Lesson 1. Building up the herd.
 - Lesson 2. Handling the dry cow.
 - Lesson 3. The fresh cow.
 - Lesson 4. Milking.
 - Lesson 5. Keeping records of the herd.
 - Lesson 6. Testing for production.
 - Lesson 7. Stable and yard arrangement and equipment.
 - Lesson 8. Feeding and management of the bull.
5. Engineering. January 28, 1927, to March 18, 1927. 32 p. 1927.
 - Lesson 1. Essential features in dairy-barn construction. K. E. Parks.
 - Lesson 2. Principles of dairy-barn ventilation. A. B. Nystrom.
 - Lesson 3. Construction of farm dairy houses. Ernest Kelly.
 - Lesson 4. Essential features in silo construction. A. B. Nystrom.
 - Lesson 5. The calf pen. A. B. Nystrom.
 - Lesson 6. The properly planned and constructed bull pen. J. B. Shepherd.
 - Lesson 7. Cow yards and manure sheds. A. B. Nystrom.
 - Lesson 8. Dairy-barn equipment. J. B. Shepherd.

6. Breeding. January 28, 1927, to March 18, 1927. 28 p. 1927.
 - Lesson 1. Principles of breeding. G. W. Hervey.
 - Lesson 2. Practical breeding. G. W. Hervey.
 - Lesson 3. Variation in genetic make-up of the cow. M. H. Fohrman.
 - Lesson 4. Systems of mating dairy cattle. M. H. Fohrman.
 - Lesson 5. Importance of the dairy sire. M. H. Fohrman.
 - Lesson 6. Selection of the herd sire. M. H. Fohrman.
 - Lesson 7. Selecting dairy animals by type. W. W. Swett.
 - Lesson 8. The significance of dairy conformation. W. W. Swett.
7. Diseases of cattle. March 25, 1927, to May 13, 1927. 25 p. 1927.
 - Lesson 1. Eradicating tuberculosis. J. A. Kiernan.
 - Lesson 2. Milk fever. Hubert Bunya.
 - Lesson 3. Udder diseases. Hubert Bunya.
 - Lesson 4. Choke, bloating, drenching. T. E. Woodward and J. R. Dawson.
 - Lesson 5. Foul foot, nails or wire in stomach, kicking, self-sucking. T. E. Woodward and J. R. Dawson.
 - Lesson 6. Warbles, lice, and flies. F. C. Bishopp.
 - Lesson 7. Leading, restraining, ringing, and dehorning dairy animals. J. B. Shepherd.
 - Lesson 8. Calf diseases.
8. Dairy products. March 25, 1927, to May 13, 1927. 24 p. 1927.
 - Lesson 1. Preparing cream for butter making. William White.
 - Lesson 2. Churning. William White.
 - Lesson 3. Washing, salting, and working butter. William White.
 - Lesson 4. Packages for butter—difficult churning. William White.
 - Lesson 5. First steps in cheese making. William White.
 - Lesson 6. Continuing the cheese-making process. William White.
 - Lesson 7. Pressing and curing cheese. William White.
 - Lesson 8. Making cottage cheese on the farm. K. J. Matheson.

FARM ECONOMICS SERIES

1. The business of farming. October 6, 1927, to December 7, 1927. 28 p. 1928.
 - Lesson 1. Farm management. J. Clyde Marquis.
 - Lesson 2. Analyzing the farm business. H. W. Hawthorne.
 - Lesson 3. Size of business in relation to returns. H. W. Hawthorne.
 - Lesson 4. Crop yields per acre. H. W. Hawthorne.
 - Lesson 5. Livestock returns per animal in relation to farm income. H. W. Hawthorne.
 - Lesson 6. Efficiency in the use of labor. H. W. Hawthorne.
 - Lesson 7. Farm layout. H. W. Hawthorne.
 - Lesson 8. The farm budget. J. B. Hutson.
 - Lesson 9. Outlook reports. J. B. Hutson.
 - Lesson 10. How farm returns vary in the United States. S. W. Mendum.
2. Marketing. December 14, 1927, to February 15, 1928. 31 p. 1928.
 - Lesson 1. The new idea in marketing. J. Clyde Marquis.
 - Lesson 2. Standardization in marketing. C. B. Sherman.
 - Lesson 3. Official inspection in marketing. Frank George.
 - Lesson 4. Market news an aid in marketing. J. Clyde Marquis.
 - Lesson 5. Warehousing an aid in marketing. H. S. Yohe.
 - Lesson 6. Packages for marketing. H. A. Spilman.
 - Lesson 7. Shipping to market. E. W. Stillwell.
 - Lesson 8. Advertising in marketing. J. Clyde Marquis.
 - Lesson 9. Financing marketing. Arthur N. Moore.
 - Lesson 10. Marketing farm produce by parcel post. Lewis B. Flohr.
3. Cooperative marketing. February 22, 1928, to April 25, 1928. 19 p. 1928.
 - Lesson 1. Developments of cooperative marketing associations. R. H. Elsworth.
 - Lesson 2. Why farmers cooperate. Chris L. Christensen.
 - Lesson 3. Some accomplishments of cooperative creameries. Thomas G. Stitts.
 - Lesson 4. Cooperative marketing of fluid milk. Hutzl Metzger.
 - Lesson 5. The farmers' elevator movement. W. J. Kuhrt.
 - Lesson 6. Farmers' terminal associations marketing grain. J. F. Booth.
 - Lesson 7. Progress and problems of cooperative cotton marketing associations. James S. Hathcock.
 - Lesson 8. Cooperative marketing of livestock. C. G. Randell.
 - Lesson 9. Cooperative marketing of fruits and vegetables. A. W. McKay.
 - Lesson 10. The members' part in cooperative marketing. J. W. Jones.

LIVESTOCK SHORT COURSE

1. Livestock breeding. October 4-November 22, 1926. 22 p. 1926.
 - Lesson 1. Principles of livestock breeding. D. S. Burch.
 - Lesson 2. Selecting breeds and types of livestock. D. S. Burch.
 - Lesson 3. Breeding beef cattle. W. H. Black.
 - Lesson 4. Horse breeding. S. R. Speelman.
 - Lesson 5. Mule production. S. R. Speelman.
 - Lesson 6. Problems in swine breeding. S. S. Buckley.
 - Lesson 7. Breeding sheep for mutton and wool. C. G. Potts.
 - Lesson 8. Breeding goats. C. G. Potts.
2. Livestock feeding. October 4-November 22, 1926. 18 p. 1926.
 - Lesson 1. Common mistakes in feeding livestock. William Jackson.
 - Lesson 2. Essentials of successful feeding. William Jackson.
 - Lesson 3. Balancing rations. William Jackson.
 - Lesson 4. Practical points in economy of feeds. William Jackson.
 - Lesson 5. Feeding beef cattle. W. H. Black.
 - Lesson 6. Feeding horses. S. R. Speelman.
 - Lesson 7. Feeding swine. S. S. Buckley.
 - Lesson 8. Feeding the farm flock. C. G. Potts.

3. Animal health and sanitation. November 29, 1926, to January 17, 1927. 20 p. 1927.
- Lesson 1. Origin and cause of disease. John S. Buckley.
 - Lesson 2. Federal and State quarantine regulations. A. W. Miller.
 - Lesson 3. Methods of preventing disease on farms. John S. Buckley.
 - Lesson 4. Eradicating tuberculosis. J. A. Kiernan.
 - Lesson 5. Hog-choleera control. U. G. Houck.
 - Lesson 6. Foot-and-mouth disease. A. W. Miller.
 - Lesson 7. Animal parasites. M. C. Hall.
 - Lesson 8. Dips and disinfectants. Robert M. Chapin.
4. Livestock barns and shelters. November 29, 1926, to January 17, 1927. 16 p. 1927.
- Lesson 1. Planning buildings for livestock.
 - Lesson 2. Durability and economy in barn construction.
 - Lesson 3. Sanitary features in housing livestock.
 - Lesson 4. Barns for beef cattle.
 - Lesson 5. Horse barns.
 - Lesson 6. Hog houses.
 - Lesson 7. Sheep sheds and shelters.
 - Lesson 8. Building-plan service of the United States Department of Agriculture.
5. Meats: Production, curing, selection, and use. January 24, 1927, to March 14, 1927. 18 p. 1927.
- Lesson 1. Slaughtering hogs and curing pork. K. F. Warner.
 - Lesson 2. Meat production and consumption in the United States. John Roberts.
 - Lesson 3. Factors which influence quality in meat. K. F. Warner.
 - Lesson 4. Federal meat inspection. D. S. Burch.
 - Lesson 5. Summer storage of meat on the farm. K. F. Warner.
 - Lesson 6. Preparation and use of lamb and mutton. Louise Stanley.
 - Lesson 7. Selection of meat. Louise Stanley.
 - Lesson 8. Cooking of meat. Louise Stanley.
6. Hides, wool, and mohair. January 24, 1927, to March 14, 1927. 30 p. 1927.
- Lesson 1. Country hides as sources of leather. R. W. Frey.
 - Lesson 2. Practical points on skinning and curing cattle hides. R. W. Frey.
 - Lesson 3. Marketing hides. C. V. Whalin.
 - Lesson 4. Problems in wool production. J. I. Hardy.
 - Lesson 5. Shearing sheep and handling fleeces. J. I. Hardy.
 - Lesson 6. Official wool grade standards. George T. Willingmyre.
 - Lesson 7. Marketing wool. G. T. Willingmyre.
 - Lesson 8. Mohair production and uses. J. I. Hardy.
7. Livestock equipment. March 21, 1927, to May 9, 1927. 17 p. 1927.
- Lesson 1. Fences for livestock.
 - Lesson 2. Construction of creeps. S. S. Buckley.
 - Lesson 3. Self-feeders and their use. S. S. Buckley.
 - Lesson 4. Watering livestock. William Jackson.
 - Lesson 5. Dehorning equipment. Arthur T. Semple.
 - Lesson 6. Dipping vats and hog wallows. S. S. Buckley.
 - Lesson 7. Marking, branding, and tattooing. William Jackson and D. S. Burch.
 - Lesson 8. Construction of shipping crates. William Jackson and D. S. Burch.
8. Work horses and mules. March 21, 1927, to May 9, 1927. J. O. Williams. 14 p. 1927.
- Lesson 1. Animal and mechanical power.
 - Lesson 2. Kinds of horses and mules to raise.
 - Lesson 3. Breaking and training colts.
 - Lesson 4. Fitting and care of harness.
 - Lesson 5. Big teams and big hitches.
 - Lesson 6. Training the saddle horse.
 - Lesson 7. How to tell a sound horse.
 - Lesson 8. Horsemanship as an art.

POULTRY SHORT COURSE

1. Fall poultry management problems. October 6–November 24, 1926. M. A. Jull. 16 p. 1926.
- Lesson 1. Selecting pullets and putting them in their laying quarters.
 - Lesson 2. Culling the laying flock.
 - Lesson 3. Feeding the layers.
 - Lesson 4. Protein, green feed, milk, and minerals in poultry feeding.
 - Lesson 5. Fattening chickens for market.
 - Lesson 6. Killing and plucking chickens.
 - Lesson 7. Marketing turkeys.
 - Lesson 8. Marketing ducks and geese.
2. Poultry houses. October 6–November 24, 1926. M. A. Jull. 17 p. 1926.
- Lesson 1. Building a poultry house.
 - Lesson 2. Important points in poultry-house construction.
 - Lesson 3. Poultry yards and equipment.
 - Lesson 4. Artificial lighting of laying houses.
 - Lesson 5. Management of laying houses during winter months.
 - Lesson 6. Cleaning and disinfecting the houses.
 - Lesson 7. Houses for breeding stock.
 - Lesson 8. Houses for turkeys, ducks, and geese.
3. Management of poultry-breeding stock. December 1, 1926, to January 19, 1927. M. A. Jull. 28 p. 1927.
- Lesson 1. Selecting the breeders.
 - Lesson 2. Importance of constitutional vigor.
 - Lesson 3. Relative importance of the male.
 - Lesson 4. Size of matings.
 - Lesson 5. Feeding poultry-breeding stock.

3. Management of poultry-breeding stock—Continued.
 - Lesson 6. Vitamins and minerals.
 - Lesson 7. Getting good fertility.
 - Lesson 8. Getting good hatchability.
4. Exhibiting fowls: Lice and mites. December 1, 1926, to January 19, 1927. 22 p. 1927.
 - Lesson 1. Benefits of exhibiting fowls. J. P. Quinn.
 - Lesson 2. Selecting fowls for exhibition. M. A. Jull.
 - Lesson 3. Preparing fowls for exhibition. J. P. Quinn.
 - Lesson 4. Judging fowls. M. A. Jull.
 - Lesson 5. Poultry lice and their control. F. C. Bishopp.
 - Lesson 6. Chicken mite and how to combat it. F. C. Bishopp.
 - Lesson 7. Other poultry pests and their control. A. R. Lee.
 - Lesson 8. Methods of management to control pests and disease. M. A. Jull.
5. Incubation. January 26, 1927, to March 16, 1927. 25 p. 1927.
 - Lesson 1. Value of hatching early. M. A. Jull.
 - Lesson 2. Selection of eggs. Alfred R. Lee.
 - Lesson 3. Hatching with hens. Alfred R. Lee.
 - Lesson 4. Advantages of the incubator and its selection. M. A. Jull.
 - Lesson 5. Operation of the incubator. Alfred R. Lee.
 - Lesson 6. Testing the eggs. M. A. Jull.
 - Lesson 7. Hatching turkeys, ducks, and geese. Alfred R. Lee.
 - Lesson 8. Buying baby chicks. M. A. Jull.
6. Common poultry diseases and worms. January 26, 1927, to March 16, 1927. 14 p. 1927.
 - Lesson 1. Disease prevention. Hubert Bunyea.
 - Lesson 2. Roup of poultry. Hubert Bunyea.
 - Lesson 3. Tuberculosis of fowls. Hubert Bunyea.
 - Lesson 4. Infectious bronchitis of fowls. Hubert Bunyea.
 - Lesson 5. Chicken pox or diphtheria. Hubert Bunyea.
 - Lesson 6. Coccidiosis. Hubert Bunyea.
 - Lesson 7. Bacillary white diarrhea. Hubert Bunyea.
 - Lesson 8. Worm parasites of poultry. Eloise B. Cram.
7. Brooding and rearing. March 23, 1927, to May 11, 1927. 22 p. 1927.
 - Lesson 1. Brooding with hens. Alfred R. Lee.
 - Lesson 2. Management of artificial brooders. M. A. Jull.
 - Lesson 3. Feeding baby chicks. Alfred R. Lee.
 - Lesson 4. Brooder houses. M. A. Jull.
 - Lesson 5. Yards for chicks. Alfred R. Lee.
 - Lesson 6. Raising healthy chicks. M. A. Jull.
 - Lesson 7. Separating the sexes. M. A. Jull.
 - Lesson 8. Feeding the young stock. Alfred R. Lee.
8. Spring problems in poultry management. March 23, 1927, to May 11, 1927. 20 p. 1927.
 - Lesson 1. Feeding the layers. Alfred R. Lee.
 - Lesson 2. Remove the males from the breeding flocks. M. A. Jull.
 - Lesson 3. Factors affecting quality of market eggs. M. A. Jull.
 - Lesson 4. Producing market eggs of high quality. M. A. Jull.
 - Lesson 5. National egg week. M. A. Jull.
 - Lesson 6. Preserving eggs. Alfred R. Lee.
 - Lesson 7. Marketing broilers. Alfred R. Lee.
 - Lesson 8. Capons and caponizing. J. P. Quinn.

UNNUMBERED PUBLICATIONS

- Publications of the U. S. Department of Agriculture. Doris Stockdale. 72 p. 1926.
 Revised in 1927 as M. C. 103.
 Aunt Sammy's radio recipes. 67 p. 1926-27; Revised, 1927. 86 p.
 Index to Farmers' Bulletins 1001-1500. Mabel G. Hunt. 371 p. 1929.

INSECTICIDE AND FUNGICIDE BOARD

REPORT

1926. J. K. Haywood. 6 p. 1926.
 1927. J. K. Haywood. 8 p. 1927.¹⁶

SERVICE AND REGULATORY ANNOUNCEMENTS

- Nos. 54 to 58. May, 1926-July, 1927.¹⁷ Contains Notices of Judgment under the insecticide act, Nos. 1026 to 1100.

LIBRARY

REPORT OF THE LIBRARIAN

1926. Claribel R. Barnett. 11 p. 1926.
 1927. Claribel R. Barnett. 12 p. 1927.
 1928. C. R. Barnett. 11 p. 1928.
 1929. Claribel R. Barnett. 13 p. 1929.
 1930. Claribel R. Barnett. 16 p. 1930.

¹⁶ See Food and Drug Administration and Food, Drug, and Insecticide Administration for later reports.

¹⁷ See Food, Drug, and Insecticide Administration for later years.

PACKERS AND STOCKYARDS ADMINISTRATION

REPORT OF THE CHIEF

- 1924-1926. John T. Caine. 52 p. 1926.
1927. John T. Caine. 38 p. 1927.¹⁸

BUREAU OF PLANT INDUSTRY

REPORT OF THE CHIEF

1926. Wm. A. Taylor. 16 p. 1926.
1927. Wm. A. Taylor. 43 p. 1927.
1928. Wm. A. Taylor. 38 p. 1928.
1929. Wm. A. Taylor. 39 p. 1929.
1930. Wm. A. Taylor. 47 p. 1930.

INVENTORIES OF SEEDS AND PLANTS IMPORTED

These inventories list seeds and plants sought throughout the world by agents of the department and introduced by them into this country.

- Nos. 75 to 76. Seeds and plants imported by the Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry, during the period from April 1, 1923-September 30, 1923. (Nos. 56791-58023.) February, 1926.
Nos. 77 to 83. Seeds and plants imported by the Office of Foreign Plant Introduction, Bureau of Plant Industry, during the period from October 1, 1923-June 30, 1925. (Nos. 58024-64428.) August, 1926-September, 1927.
Nos. 84 to 99. Plant material introduced by the Office of Foreign Plant Introduction, Bureau of Plant Industry, during the period from July 1, 1925-June 30, 1929. (Nos. 64429-80810.) November, 1927-November, 1930.

SERVICE AND REGULATORY ANNOUNCEMENTS

9. Joint regulations (third revision) of the Secretary of the Treasury and the Secretary of Agriculture under the Federal seed act (formerly designated "The Seed Importation Act"), approved August 24, 1912, as amended August 11, 1916, as amended April 26, 1926. 12 p. 1926.
10. Adulterations and misbranding of seed of Kentucky bluegrass, orchard grass, redtop, and hairy vetch in 1925. 3 p. 1926.
11. Adulteration and misbranding of seed of redtop. 2 p. 1927.
12. Adulteration and misbranding of seed of redtop. 2 p. 1928.
13. Mimeographed.
14. Determination of live, pure seed content. 2 p. 1929.
15. Adulteration and misbranding of seed of redtop, 1928. 2 p. 1929.
16. Adulteration and misbranding of seed of Kentucky bluegrass. 2 p. 1930.

PLANT QUARANTINE AND CONTROL ADMINISTRATION

REPORT OF THE CHIEF

1929. C. L. Marlatt. 72 p. 1929.¹⁹
1930. Lee A. Strong. 86 p. 1930.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Nos. 96 to 103, July, 1928-June, 1930.²⁰ Quarterly. Annual Index.

SUPPLEMENTS

- Title: "Annual Letter of Information. Pests Collected from Imported Plants and Plant Products . . ."
No. 41. January 1 to December 31, 1928. pp. 157-224. 1929.

BUREAU OF PUBLIC ROADS

REPORT OF THE CHIEF

1926. Thos. H. MacDonald. 35 p. 1926.
1927. Thos. H. MacDonald. 36 p. 1927.
1928. Thos. H. MacDonald. 51 p. 1928.
1929. Thos. H. MacDonald. 56 p. 1929.
1930. Thomas H. MacDonald. 92 p. 1930.

PUBLIC ROADS

- Vol. 6, No. 11 to Vol. 11, No. 10. January, 1926-December, 1930. Monthly.

¹⁸ Administration abolished July 1, 1927. Later reports incorporated with those of Bureau of Animal Industry.

¹⁹ See Federal Horticultural Board for earlier reports.

²⁰ See Federal Horticultural Board for earlier years.

UNNUMBERED PUBLICATIONS

- Report of a survey of transportation on the State highway system of Connecticut, by the Bureau of Public Roads, U. S. Department of Agriculture, and the Connecticut State Highway Department. 101 p. 1926.
- Report of a survey of transportation on the State highway system of Ohio, by the Bureau of Public Roads, U. S. Department of Agriculture, and the Ohio Department of Highways and Public Works. 155 p. 1927.
- Report of a survey of transportation on the State highways of New Hampshire, by the Bureau of Public Roads, U. S. Department of Agriculture, and the New Hampshire State Highway Department. 79 p. 1927.
- Report of a survey of transportation on the State highways of Vermont, by the Bureau of Public Roads, U. S. Department of Agriculture, and the Vermont State Highway Department. 80 p. 1927.
- Report of a plan of highway improvement in the regional area of Cleveland, Ohio, based on a survey of highway traffic by the Bureau of Public Roads, U. S. Department of Agriculture, and the county commissioners of Cuyahoga County, Ohio. 187 p. 1928.
- Report of a survey of transportation on the State highways of Pennsylvania, by the U. S. Bureau of Public Roads and Department of Highways of the Commonwealth of Pennsylvania. 117 p. 1928.

BUREAU OF SOILS

REPORT OF THE CHIEF

1926. Milton Whitney. 12 p. 1926.²¹
1927. A. G. McCall. 8 p. 1927.²²

FIELD OPERATIONS

1921. Milton Whitney. 1710 p. 1926.
1922. Milton Whitney. 2138 p. 1928.

SOIL SURVEY REPORTS (BY SERIES)

1923

1. Soil Survey of Clarke County, Iowa. A. M. O'Neal and C. B. Boatwright. 24 p. 1928.
2. Soil Survey of Camden and Currituck Counties, North Carolina. S. O. Perkins, W. D. Lee, G. B. Shivery, and S. F. Davidson. Pp. 25-56. 1928.
3. Soil Survey of Sampson County, North Carolina. R. C. Jerney, W. A. Davis, and W. D. Lee. Pp. 57-89. 1928.
4. Soil Survey of Jenkins County, Georgia. Earl D. Fowler and J. M. Snyder. Pp. 91-122. 1928.
5. Soil Survey of Rockwall County, Texas. H. V. Geib. Pp. 123-152. 1928.
6. Soil Survey of Maury County, Tennessee. J. H. Agee and J. A. Kerr. Pp. 153-175. 1928.
7. Soil Survey of Fannin County, Georgia. S. W. Phillips and J. W. Stephenson. Pp. 177-200. 1928.
8. Soil Survey of the Las Vegas Area, Nevada. E. J. Carpenter and F. O. Youngs. Pp. 201-245. 1929.
9. Soil Survey of Mercer County, West Virginia. A. W. Goke. Pp. 247-269. 1928.
10. Soil Survey of Dooly County, Georgia. S. W. Phillips, E. W. Knobel, G. L. Fuller, and J. W. Moon. Pp. 271-305. 1928.
11. Soil Survey of Dickson County, Tennessee. J. A. Kerr, H. G. Lewis, W. J. Latimer, and E. H. Bailey. Pp. 307-329. 1928.
12. Soil Survey of Polk County, North Carolina. W. D. Lee and S. F. Davidson. Pp. 331-356. 1928.
13. Soil Survey of Greene County, Alabama. J. F. Stroud, R. T. Avon Burke, James Thorp, A. W. Goke, and Clarence Lounsbury. Pp. 357-399. 1928.
14. Soil Survey of Lake County, Florida. Arthur E. Taylor, E. W. Knobel, S. W. Phillips, E. H. Bailey, H. M. Smith, and Emory J. Close. Pp. 401-439. 1928.
15. Soil Survey of Kearney County, Nebraska. M. H. Layton, A. N. Huddleston, G. E. Condra, and F. A. Hayes. Pp. 441-484. 1928.
16. Soil Survey of the Coachella Valley Area, California. A. E. Kocher and W. G. Harper. Pp. 485-535. 1928.
17. Soil Survey of Cameron County, Texas. M. W. Beck and B. H. Hendrickson. Pp. 537-575. 1928.
18. Soil Survey of Douglas County, South Dakota. W. I. Watkins and B. H. Williams. Pp. 577-598. 1928.
19. Soil Survey of the Gilroy Area, California. Stanley W. Cosby and E. B. Watson. Pp. 599-642. 1928.
20. Soil Survey of the Hollister Area, California. Stanley W. Cosby and E. B. Watson. Pp. 643-681. 1928.
21. Soil Survey of Appanoose County, Iowa. C. L. Orben and W. W. Strike. Pp. 683-713. 1928.
22. Soil Survey of Clermont County, Ohio. Arthur E. Taylor, Ivan Hodson, G. W. Conrey, William Craig, and B. D. Morgan. Pp. 715-748. 1928.
23. Soil Survey of the Moapa Valley Area, Nevada. F. O. Youngs and E. J. Carpenter. Pp. 749-774. 1928.
24. Soil Survey of Jackson County, Minnesota. M. W. Beck, J. Ambrose Ewell, J. S. Hall, and G. B. Bodman. Pp. 775-798. 1928.

²¹ 1926 has title "Annual Report of the Chief of the Bureau of Soils."

²² See Bureau of Chemistry and Soils for later reports.

25. Soil Survey of Plymouth County, Iowa. D. S. Gray and A. L. Gray. Pp. 799-821. 1928.
26. Soil Survey of Harrison County, Iowa. T. H. Benton and N. J. Russell. Pp. 823-858. 1928.
27. Soil Survey of the Minidoka Area, Idaho. F. O. Youngs, Mark Baldwin, A. J. Kern, and G. R. McDole. Pp. 859-902. 1928.
28. Soil Survey of Osemaw County, Michigan. J. O. Veatch, L. R. Schoenmann, and G. L. Fuller. Pp. 903-928. 1928.
29. Soil Survey of Antrim County, Michigan. J. O. Veatch, L. R. Schoenmann, and G. L. Fuller. Pp. 929-957. 1928.
30. Soil Survey of Olmsted County, Minnesota. J. Ambrose Elwell, G. B. Shivery, B. H. Hendrickson, Mark Baldwin, and A. T. Sweet. Pp. 959-1012. 1928.
31. Soil Survey of Macomb County, Michigan. Robert Wildermuth, J. W. Stack, and J. O. Veatch. Pp. 1013-1042. 1928.
32. Soil Survey of Lycoming County, Pennsylvania. E. H. Stevens, B. H. Hendrickson, C. B. Manifold, C. G. Degen, and Austin L. Patrick. Pp. 1043-1093. 1928.
33. Soil Survey of Waiworth County, South Dakota. J. A. Machlis and G. A. Larson. Pp. 1095-1121. 1928.
34. Soil Survey of Lawrence County, Missouri. A. T. Sweet and Howard V. Jordan. Pp. 1123-1159. 1928.
35. Soil Survey of St. Mary's County, Maryland. S. O. Perkins. Pp. 1161-1181. 1928.
36. Soil Survey of Isabella County, Michigan. J. A. Kerr and F. W. Trull. Pp. 1183-1202. 1928.
37. Soil Survey of Livingston County, Michigan. L. C. Whecting and S. G. Bergquist. Pp. 1203-1222. 1929.
38. Soil Survey of Henderson County, Texas. H. W. Hawker and R. E. Devereux. Pp. 1223-1265. 1929.
39. Soil Survey of Berkshire County, Massachusetts. W. J. Latimer and M. O. Lanphear. Pp. 1267-1313. 1929.
40. Soil Survey of Monroe County, Wisconsin. W. J. Geib, A. C. Anderson, M. J. Edwards, E. H. Bailey, Homer Chapman, Robert Bartholomew, and O. L. Stockstad. Pp. 1315-1373. 1929.
41. Soil Survey of Adams County, Nebraska. F. A. Hayes and D. F. Hyde. Pp. 1375-1422. 1929.
42. Soil Survey of Platte County, Nebraska. L. S. Paine, F. A. Hayes, and G. E. Bates. Pp. 1423-1469. 1929.
43. Soil Survey of Pierce County, Wisconsin. W. J. Geib, M. J. Edwards, E. H. Templin, and H. R. Lathrop. Pp. 1471-1504. 1929.
44. Soil Survey of Webster County, Nebraska. Louis A. Wolfanger and R. D. Wood. Pp. 1505-1535. 1929.
45. Soil Survey of Columbia County, New York. H. G. Lewis and D. F. Kinsman. Pp. 1557-1599. 1929.
46. Soil Survey of Herkimer County Area, New York. H. G. Lewis, E. F. Brookins, F. B. Howe, and D. F. Kinsman. Pp. 1601-1648. 1929.
47. Soil Survey of Salem Area, New Jersey. R. T. Avon Burke, James Thorp, and W. G. Seltzer. Pp. 1649-1696. 1929.

1924

1. Soil Survey of Yadkin County, North Carolina. William D. Lee and S. F. Davidson. 24 p. 1928.
2. Soil Survey of Cherokee County, Alabama. J. F. Stroud, J. L. Andress, W. W. Strike, and B. H. Williams. Pp. 25-62. 1929.
3. Soil Survey of the Bishop Area, California. E. B. Watson and R. Earl Storie. Pp. 63-95. 1928.
4. Soil Survey of Chattahoochee County, Georgia. E. W. Knobel, J. W. Moon, S. W. Phillips, and A. T. Sweet. Pp. 97-124. 1928.
5. Soil Survey of Rutherford County, North Carolina. R. C. Journey, W. D. Lee, W. A. Davis, and S. F. Davidson. Pp. 125-154. 1928.
6. Soil Survey of Greene County, North Carolina. S. O. Perkins and H. G. Lewis. 30 p. 1928.
7. Soil Survey of Harrison County, Mississippi. Robert Wildermuth, J. Ambrose Elwell, B. H. Williams, A. L. Gray, J. A. Kerr, and M. J. Edwards. 48 p. 1928.
8. Soil Survey of Fremont County, Iowa. C. L. Orrben and L. S. Paine. 44 p. 1928.
9. Soil Survey of Jones County, Iowa. A. M. O'Neal and R. E. Devereux. 40 p. 1928.
10. Soil Survey of Hillsdale County, Michigan. J. O. Veatch, James Tyson, P. R. Biesheimer, and J. W. Moon. 24 p. 1928.
11. Soil Survey of Worcester County, Maryland. S. O. Perkins and S. R. Bacon. 31 p. 1928.
12. Soil Survey of Buffalo County, Nebraska. F. A. Hayes, A. N. Huddleston, and M. H. Layton. 56 p. 1928.
13. Soil Survey of Cherokee County, Iowa. D. S. Gray and B. H. Hendrickson. 34 p. 1928.
14. Soil Survey of Barry County, Michigan. E. B. Deeter and F. W. Trull. 20 p. 1928.
15. Soil Survey of the Auburn Area, California. Stanley W. Cosby, E. B. Watson, and W. G. Harper. 38 p. 1928.
16. Soil Survey of Randolph County, Georgia. S. W. Phillips, Earl D. Fowler, E. W. Knobel, and J. W. Moon. 45 p. 1928.
17. Soil Survey of Garden County, Nebraska. Louis A. Wolfanger, A. W. Goke, H. E. Weakley, and E. H. Strieter. 55 p. 1929.
18. Soil Survey of Sheboyan County, Wisconsin. W. J. Geib, A. C. Anderson, W. H. Pierre, A. H. Meyer, G. D. Scarseth, and Robert Bartholomew. 45 p. 1929.
19. Soil Survey of Wichita County, Texas. William T. Carter, W. W. Strike, H. V. Geib, and E. H. Templin. 52 p. 1929.
20. Soil Survey of Butler County, Nebraska. A. W. Goke and G. E. Bates. 36 p. 1929.
21. Soil Survey of Summers County, West Virginia. J. A. Kerr. 31 p. 1929.

22. Soil Survey of Muskegon County, Michigan. L. C. Wheating and A. E. Matthews. 25 p. 1929.
23. Soil Survey of Lac Qui Parle County, Minnesota. J. Ambrose Elwell, W. W. Strike, P. R. McMiller, G. B. Bodman, J. S. Hall, H. T. Petraborg, E. A. Fieger, R. M. Pinckney, and C. H. Hammer. 48 p. 1929.
24. Soil Survey of King City Area, California. E. J. Carpenter, A. E. Kocher, and F. O. Youngs. 63 p. 1929.
25. Soil Survey of Linn County, Oregon. A. E. Kocher, E. J. Carpenter, W. G. Harper, E. F. Torgerson, and R. E. Stephenson. 72 p. 1929.
26. Soil Survey of Middlesex County, Massachusetts. W. J. Latimer and M. O. Lanphear. 53 p. 1929.
27. Soil Survey of Roscommon County, Michigan. J. O. Veatch, L. R. Schoenmann, and J. W. Moon. 27 p. 1929.
28. Soil Survey of Alpena County, Michigan. Robert Wildermuth, J. W. Moon, L. R. Schoenmann, and J. O. Veatch. 30 p. 1929.
29. Part 1. Soil Survey of Cass County, North Dakota. E. W. Knobel, M. F. Peightal, and J. E. Chapman. Part 2. The chemical composition of the soils of Cass County. T. H. Hopper and H. L. Walster. 80 p. 1929.

1925

1. Soil Survey of Lamar County, Georgia. S. O. Perkins, F. A. Hayes, A. M. O'Neal, jr., and C. E. Deardorff. 21 p. 1928.
2. Soil Survey of Calhoun County, Georgia. J. W. Moon and H. G. Lewis. 38 p. 1928.
3. Soil Survey of Lake County, Ohio. Arthur E. Taylor. 54 p. 1929.
4. Soil Survey of the Chico Area, California. E. B. Watson, T. W. Glassey, R. Earl Storie, and Stanley W. Cosby. 48 p. 1929.
5. Soil Survey of Howard County, Iowa. C. L. Orrben and A. L. Gray. 35 p. 1929.
6. Soil Survey of the Soda Springs-Bancroft Area, Idaho. F. O. Youngs, A. J. Kern, and E. N. Poulson. 33 p. 1929.
7. Soil Survey of Bradley County, Arkansas. E. B. Deeter, W. J. Latimer, and C. E. Born. 34 p. 1929.
8. Soil Survey of Nevada County, Arkansas. W. I. Watkins, M. J. Edwards, C. E. Born, and A. H. Meyer. 31 p. 1929.
9. Soil Survey of Northampton County, North Carolina. W. D. Lee and S. F. Davidson. 48 p. 1929.
10. Soil Survey of Wilson County, North Carolina. R. C. Jurney and W. A. Davis. 32 p. 1929.
11. Soil Survey of the Salinas Area, California. E. J. Carpenter and Stanley W. Cosby. 80 p. 1929.
12. Soil Survey of Warren County, Iowa. A. M. O'Neal and R. E. Devereux. 38 p. 1929.
13. Soil Survey of Hidalgo County, Texas. H. W. Hawker, M. W. Beck, and R. E. Devereux. 59 p. 1929.
14. Soil Survey of Essex County, Massachusetts. W. J. Latimer and M. O. Lanphear. 56 p. 1930.
15. Soil Survey of Monroe County, West Virginia. J. A. Kerr. 42 p. 1930.
16. Soil Survey of Calumet County, Wisconsin. W. J. Geib, A. H. Meyer, J. A. Chucka, and H. H. Hull. 28 p. 1930.
17. Soil Survey of Nuckolls County, Nebraska. Louis A. Wolfanger, R. D. Wood, and A. N. Huddleston. 53 p. 1930.
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21. Part 1. Soil Survey of Wayne County, Indiana. T. M. Bushnell, F. E. Barnes, Earl D. Fowler, and James Thorp. Part 2. The management of Wayne County soils. A. T. Wiancko and S. D. Conner. 44 p. 1930.
22. Soil Survey of Brown County, South Dakota. W. I. Watkins and G. A. Larson. 32 p. 1930.
23. Part 1. Soil Survey of Hancock County, Indiana. W. E. Tharp and C. S. Simmons. Part 2. The management of Hancock County soils. A. T. Wiancko and S. D. Conner. 39 p. 1930.
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30. Soil Survey of Prince Georges County, Maryland. S. O. Perkins and S. R. Bacon. 34 p. 1930.
31. Soil Survey of Menominee County, Michigan. J. W. Moon, M. W. Beck, L. R. Schoenmann, and J. O. Veatch. 43 p. 1930.
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1926

1. Soil Survey of Quitman County, Georgia. R. E. Devereux and Earl D. Fowler. 23 p. 1929.
2. Soil Survey of Moody County, South Dakota. W. I. Watkins and G. A. Larson. 27 p. 1929.
3. Soil Survey of Willacy County, Texas. H. W. Hawker and C. S. Simmons. 57 p. 1929.
4. Soil Survey of the Oroville Area, California. E. J. Carpenter, A. T. Strahorn, T. W. Glassey, and R. Earl Storie. 63 p. 1930.
5. Soil Survey of Carroll County, Iowa. A. M. O'Neal and R. E. Devereux. 35 p. 1930.
6. Soil Survey of Nash County, North Carolina. W. D. Lee and S. R. Bacon. 47 p. 1930.
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8. Reconnaissance Soil Survey of Lake of the Woods County, Minnesota. Mark Baldwin, J. Ambrose Elwell, and W. W. Strike. 45 p. 1930.
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11. Soil Survey of Bartow County, Georgia. G. L. Fuller and H. H. Shores. 59 p. 1930.
12. Soil Survey of Montgomery County, Alabama. J. F. Stroud, W. W. Strike, W. E. Tharp, R. T. Avon Burke, and B. H. Williams. 49 p. 1930.
13. Soil Survey of the Wheatland Area, Wyoming. E. J. Carpenter, E. G. Fitzpatrick, T. J. Dunnewald, and Carl Pearson. 21 p. 1930.
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15. Soil Survey of the Bear Lake Valley Area, Idaho. E. N. Poulson and N. C. Derrick. 35 p. 1930.
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19. Soil Survey of Washington County, Ohio. S. W. Phillips, H. M. Smith, A. H. Paschall, Ralph Blaney, and George Drewes, jr. 30 p. 1930.
20. Soil Survey of Navarro County, Texas. M. W. Beck and E. H. Templin. 20 p. 1930.
21. Soil Survey of Hardin County, Tenn. W. J. Latimer, J. A. Kerr, A. L. Gray, J. W. Moon, and A. W. Goke. 47 p. 1930.
22. Soil Survey of Burke County, North Carolina. W. D. Lee and S. R. Bacon. 34 p. 1930.
23. Soil Survey of Claiborne County, Mississippi. B. H. Hendrickson and J. E. McKeen. 34 p. 1930.
24. Soil Survey of the Arkansas Valley Area, Colorado. A. T. Sweet and Wayne Inman. 46 p. 1930.
25. Soil Survey of Wadena County, Minnesota. J. Ambrose Elwell, Mark Baldwin, W. W. Strike, G. A. Swenson, P. R. McMiller, J. S. Hall, E. A. Fieger, S. N. Hill, and J. H. Ellis. 53 p. 1930.
26. Soil Survey of Clay County, Kansas. James Thorp, R. H. Davis, and Eugene S. Lyons. 31 p. 1930.

1927

1. Soil Survey of Chickasaw County, Iowa. C. L. Orrben and F. R. Lesh. 35 p. 1930.
2. Soil Survey of Lenoir County, North Carolina. R. C. Journey and W. A. Davis. 24 p. 1930.
3. Soil Survey of the Buckeye-Beardsley Area, Arizona. W. G. Harper and F. O. Youngs. 43 p. 1930.
4. Soil Survey of Lee County, Georgia. J. W. Moon. 29 p. 1930.
5. Not issued. (December 31, 1930.)
6. Soil Survey of Orange County, Virginia. B. H. Hendrickson. 33 p. 1930.
7. Soil Survey of Clarke County, Georgia. G. L. Fuller. 24 p. 1930.
- 8 and following numbers. Not issued. (December 31, 1930.)

1928

1. Soil Survey of Watauga County, North Carolina. W. A. Davis, W. B. Cobb, and R. E. Devereux. 14 p. 1930.
- 2 and following numbers. Not issued. (December 31, 1930.)

SOIL SURVEY REPORTS (BY STATE AND COUNTY)

ALABAMA

1924. Cherokee County. J. F. Stroud, J. L. Andress, W. W. Strike, and B. H. Williams. Pp. 25-62. 1928.*
1923. Greene County. J. F. Stroud, R. T. Avon Burke, James Thorp, A. W. Goke, and Clarence Lounsbury. Pp. 357-399. 1926.*
1926. Montgomery County. J. F. Stroud, W. W. Strike, W. E. Tharp, B. H. Williams, and R. T. Avon Burke. 49 p. (No. 12, Series 1926.) 1930.

ARIZONA

1927. The Buckeye-Beardsley area (part of Maricopa County). W. G. Harper and F. O. Youngs. 43 p. (No. 3, Series 1927.) 1930.

* Issued as Soil survey advance sheets.

ARKANSAS

1925. Bradley County. E. B. Deeter, W. J. Latimer, and C. E. Born. 34 p. (No. 7, Series 1925.) 1929.
 1925. Nevada County. W. I. Watkins, M. J. Edwards, C. E. Born, and A. H. Meyer. 31 p. (No. 8, Series 1925.) 1929.
 1922. Pulaski County. E. B. Deeter, A. H. Meyer, and T. H. Benton. Pp. 721-785. 1926.

CALIFORNIA

1924. Auburn area (parts of Placer and Nevada Counties). Stanley W. Cosby, E. B. Watson, and W. G. Harper. 38 p. (No. 15, Series 1924.) 1928.
 1924. Bishop area (parts of Inyo and Mono Counties). E. B. Watson and R. Earl Storie. Pp. 63-95. (No. 3, Series 1924.) 1928.*
 1925. Chico area (part of Butte County). E. B. Watson, T. W. Glassey, R. Earl Storie, and Stanley W. Cosby. 48 p. (No. 4, Series 1925.) 1929.
 1923. Coachella Valley area (part of Riverside County). A. E. Kocher and W. G. Harper. Pp. 485-535. (No. 16, Series 1923.) 1928.
 1923. Gilroy area (part of Santa Clara County). Stanley W. Cosby and E. B. Watson. Pp. 599-642. (No. 19, Series 1923.) 1928.
 1923. Hollister area (part of San Benito County). Stanley W. Cosby and E. B. Watson. Pp. 643-681. (No. 20, Series 1923.) 1928.
 1924. King City area (part of Monterey County). E. J. Carpenter, A. E. Kocher, and F. O. Youngs. 63 p. (No. 24, Series 1924.) 1929.
 1922. Lancaster area (parts of Kern and Los Angeles Counties). E. J. Carpenter and Stanley W. Cosby. Pp. 663-720. 1926.*
 1926. Oroville area (part of Butte County). E. J. Carpenter, A. T. Strahorn, T. W. Glassey, and R. Earl Storie. 63 p. (No. 4, Series 1926.) 1930.
 1922. Palo Verde area (part of Riverside and Imperial Counties). A. E. Kocher and F. O. Youngs. Pp. 571-625. 1926.*
 1925. Salinas area (part of Monterey County). E. J. Carpenter and Stanley W. Cosby. 80 p. (No. 11, Series 1925.) 1929.

COLORADO

1926. Arkansas Valley area (parts of Prowers, Bent, Otero, Crowley, Pueblo, and Fremont Counties). A. T. Sweet and Wayne Inman. 46 p. (No. 24, Series 1926.) 1930.

FLORIDA

1923. Lake County. Arthur E. Taylor, E. W. Knobel, S. W. Phillips, E. H. Bailey, H. M. Smith, and Emory J. Close. Pp. 401-439. (No. 14, Series 1923.) 1928.

GEORGIA

1926. Bartow County. G. L. Fuller and H. H. Shores. 59 p. (No. 11, Series 1926.) 1930.
 1922. Bibb County. S. W. Phillips, A. H. Meyer, Mark Baldwin, and J. W. Moon. Pp. 1083-1120. 1926.*
 1925. Calhoun County. J. W. Moon and H. G. Lewis. 38 p. (No. 2, Series 1925.) 1928.
 1924. Chattoohocsee County. E. W. Knobel, J. W. Moon, S. W. Phillips, and A. T. Sweet. Pp. 97-124. (No. 4, Series 1924.) 1928.
 1927. Clarke County. G. L. Fuller. 24 p. (No. 7, Series 1927.) 1930.
 1923. Dooly County. S. W. Phillips, E. W. Knobel, G. L. Fuller, and J. W. Moon. Pp. 271-305. (No. 10, Series 1923.) 1928.
 1923. Fannin County. S. W. Phillips and J. W. Stephenson. Pp. 177-200. (No. 7, Series 1923.) 1928.
 1923. Jenkins County. Earl D. Fowler and J. M. Snyder. Pp. 91-122. (No. 4, Series 1923.) 1928.
 1925. Lamar County. S. O. Perkins, F. A. Hayes, A. M. O'Neal, jr., and C. E. Deardorff. 21 p. (No. 1, Series 1925.) 1928.
 1927. Lee County. J. W. Moon. 29 p. (No. 4, Series 1927.) 1930.
 1922. Muscogee County. S. W. Phillips and A. T. Sweet. Pp. 1121-1158. 1926.*
 1926. Quitman County. R. E. Devereux and Earl D. Fowler. 23 p. (No. 1, Series 1926.) 1929.
 1924. Randolph County. S. W. Phillips, Earl D. Fowler, E. W. Knobel, J. W. Moon, and G. L. Fuller. 45 p. (No. 16, Series 1924.) 1928.
 1926. Wayne County. G. L. Fuller and S. O. Perkins. 35 p. (No. 9, Series 1926.)

IDAHO

1926. Bear Lake Valley area (part of Bear Lake County). E. N. Poulson and N. C. Derrick. 35 p. (No. 15, Series 1926.) 1930.
 1923. Minidoka area (parts of Minidoka, Cassia, Jerome, and Blaine Counties). F. O. Youngs, Mark Baldwin, A. J. Kern, and G. R. McDole. Pp. 859-902. (No. 27, Series 1923.) 1928.
 1925. Soda Springs-Bancroft area (parts of Bannock and Caribou Counties). F. O. Youngs, A. J. Kern, and E. N. Poulson. 33 p. (No. 6, Series 1925.) 1929.

INDIANA

1922. Clay County. Part I. Grove B. Jones, C. B. Manifold, T. M. Bushnell, and R. P. Oyer. Part II. The management of Clay County soils. A. T. Wiancko and S. D. Conner. Pp. 1379-1422. 1927.*

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1922. Gibson County. Part I. T. M. Bushnell and W. E. Tharp. Part II. The management of Gibson County soils. A. T. Wiancko and S. D. Conner. Pp. 1159-1216. 1926.*
1925. Hancock County. Part I. W. E. Tharp and C. S. Simmons. Part 2. The management of Hancock County soils. A. T. Wiancko and S. D. Conner. 39 p. (No. 23, Series 1925.) 1930.
1922. Kosciusko County. Part I. W. E. Tharp, Earl D. Fowler, L. S. Troth, and H. R. Beyer. Part II. The management of Kosciusko County soils. A. T. Wiancko and S. D. Conner. Pp. 1295-1342. 1927.*
1922. Lawrence County. Part I. W. E. Tharp, T. M. Bushnell, and J. E. Adams. Part 2. The management of Lawrence County soils. A. T. Wiancko and S. D. Conner. Pp. 1955-2000. 1928.*
1922. Monroe County. Part I. T. M. Bushnell and Earl D. Fowler. Part 2. The management of Monroe County soils. A. T. Wiancko and S. D. Conner. Pp. 1723-1770. 1928.*
1925. Putnam County. Part I. Earl D. Fowler and H. R. Adams. Part 2. The management of Putnam County soils. A. T. Wiancko and S. D. Conner. 55 p. (No. 27, Series 1925.) 1930.
1925. Wayne County. Part I. T. M. Bushnell, F. E. Barnes, Earl D. Fowler, and James Thorp. Part 2. The management of Wayne County soils. A. T. Wiancko and S. D. Conner. 44 p. (No. 21, Series 1925.) 1930.

IOWA

1923. Appanoose County. C. L. Orrben and W. W. Strike. Pp. 683-713. (No. 21, Series 1923.) 1928.
1926. Carroll County. A. M. O'Neal and R. E. Devereux. 35 p. (No. 5, Series 1926.) 1930.
1924. Cherokee County. D. S. Gray and B. H. Hendrickson. 34 p. (No. 13, Series 1924.) 1928.
1927. Chickasaw County. C. L. Orrben and F. R. Lesh. 35 p. (No. 1, Series 1927.) 1930.
1923. Clarke County. A. M. O'Neal and C. B. Boatwright. 24 p. (No. 1, 1923.) 1928.
1925. Clayton County. T. H. Benton and A. L. Gray. 31 p. (No. 20, Series 1925.) 1930.
1922. Floyd County. A. M. O'Neal and A. W. Goke. Pp. 439-477. 1926.*
1924. Fremont County. C. L. Orrben and L. S. Paine. 44 p. (No. 8, Series 1924.) 1928.
1923. Harrison County. T. H. Benton and N. J. Russell. Pp. 823-858. (No. 26, 1923.) 1928.
1925. Howard County. C. L. Orrben and A. L. Gray. 35 p. (No. 5, Series 1925.) 1929.
1924. Jones County. A. M. O'Neal and R. E. Devereux. 40 p. (No. 9, Series 1924.) 1928.
1925. Kossuth County. T. H. Benton, D. S. Gray, F. R. Lesh, and J. E. McKeehen. 31 p. (No. 19, Series 1925.) 1930.
1923. Plymouth County. D. S. Gray and A. L. Gray. Pp. 799-821. (No. 25, Series 1923.) 1928.
1925. Warren County. A. M. O'Neal and R. E. Devereux. 38 p. (No. 12, Series 1925.) 1929.
1922. Winneshiek County. T. H. Benton and N. J. Russell. Pp. 1457-1492. 1927.*

KANSAS

1926. Clay County. James Thorp, R. H. Davis, and Eugene S. Lyons. 31 p. (No. 26, Series 1926.) 1930.

MARYLAND

1922. Dorchester County. J. M. Snyder, W. C. Jester, and O. C. Bruce. Pp. 521-546. 1926.*
1922. Garrett County. J. M. Snyder, L. F. Richardson, O. C. Bruce, and C. L. Hufford. Pp. 957-982. 1926.*
1925. Prince Georges County. S. O. Perkins and S. R. Bacon. 34 p. (No. 30, Series 1925.) 1930.
1923. St. Marys County. S. O. Perkins. Pp. 1161-1181. (No. 35, Series 1923.) 1928.
1924. Worcester County. S. O. Perkins and S. R. Bacon. 31 p. (No. 11, Series 1924.) 1928.

MASSACHUSETTS

1923. Berkshire County. W. J. Latimer and M. O. Lanphear. Pp. 1267-1313. (No. 39, Series 1923.) 1929.
1925. Dukes and Nantucket Counties. W. J. Latimer. 31 p. (No. 28, Series 1925.) 1930.
1925. Essex County. W. J. Latimer and M. O. Lanphear. 56 p. (No. 14, Series 1925.) 1930.
1924. Middlesex County. W. J. Latimer and M. O. Lanphear. 58 p. (No. 26, Series 1924.) 1929.
1922. Worcester County. W. J. Latimer, R. F. R. Martin, and M. O. Lanphear. Pp. 1531-1594. 1927.*

MICHIGAN

1924. Alpena County. Robert Wildermuth, J. W. Moon, L. R. Schoenmann, and J. O. Veatch. 30 p. (No. 28, Series 1924.) 1929.
1923. Antrim County. J. O. Veatch, L. R. Schoenmann, and G. L. Fuller. Pp. 929-957. (No. 29, Series 1923.) 1928.

1924. Barry County. E. B. Deeter and F. W. Trull. 20 p. (No. 14, Series 1924.) 1928.
 1922. Berrien County. J. A. Kerr, N. M. Kirk, Elbert Southworth, J. O. Veatch, and L. C. Wheeting. Pp. 1343-1378. 1927.*
 1924. Hillsdale County. J. O. Veatch, James Tyson, P. R. Biebesheimer, and J. W. Moon. 24 p. (No. 10, Series 1924.) 1928.
 1923. Isabella County. J. A. Kerr and F. W. Trull. Pp. 1183-1202. (No. 36, Series 1923.) 1928.
 1926. Jackson County. J. O. Veatch, F. W. Trull, and J. A. Porter. 30 p. (No. 17, Series 1926.) 1930.
 1922. Kalamazoo County. S. O. Perkins and James Tyson. Pp. 627-662. 1926.*
 1926. Kent County. Robert Wildermuth and L. Kraft. 37 p. (No. 10, Series 1926.) 1930.
 1923. Livingston County. L. C. Wheeting and S. G. Bergquist. Pp. 1203-1222. (No. 37, Series 1923.) 1929.
 1923. Macomb County. Robert Wildermuth, J. W. Stack, and J. O. Veatch. Pp. 1013-1042. (No. 31, Series 1923.) 1928.
 1922. Manistee County. L. C. Wheeting and S. G. Bergquist. Pp. 547-569. 1926.*
 1925. Menominee County. J. W. Moon, M. W. Beck, L. R. Schoenmann, and J. O. Veatch. 43 p. (No. 31, Series 1925.) 1930.
 1924. Muskegon County. L. C. Wheeting and A. E. Matthews. 25 p. (No. 22, Series 1924.) 1929.
 1923. Ogemaw County. J. O. Veatch, L. R. Schoenmann, and G. L. Fuller. Pp. 903-928. (No. 28, Series 1923.) 1928.
 1922. Ottawa County. J. O. Veatch, James Tyson, J. W. Stack, W. F. Kaltenbach, and O. P. Gossard. Pp. 921-955. 1926.*
 1924. Roscommon County. J. O. Veatch, L. R. Schoenmann, and J. W. Moon. 27 p. (No. 27, Series 1924.) 1929.
 1922. Van Buren County. Robert Wildermuth, J. A. Kerr, F. W. Trull, and J. W. Stack. Pp. 829-870. 1926.*

MINNESOTA

1923. Jackson County. M. W. Beck, J. Ambrose Elwell, J. S. Hall, and G. B. Bodman. Pp. 775-798. (No. 24, Series 1923.) 1928.
 1924. Lac Qui Parle County. J. Ambrose Elwell, W. W. Strike, P. R. McMiller, G. B. Bodman, J. S. Hall, H. T. Petrabor, E. A. Fieger, R. M. Pinckney, and C. H. Hammer. 48 p. (No. 23, Series 1924.) 1929.
 1926. Lake of the Woods County, Reconnaissance. Mark Baldwin, J. Ambrose Elwell, and W. W. Strike. 45 p. (No. 8, Series 1926.) 1930.
 1923. Olmsted County. J. Ambrose Elwell, G. B. Shivery, B. H. Hendrickson, Mark Baldwin, and A. T. Sweet. Pp. 959-1012. (No. 30, Series 1923.) 1928.
 1926. Wadena County. J. Ambrose Elwell, Mark Baldwin, W. W. Strike, G. A. Swenson, P. R. McMiller, J. S. Hall, E. A. Fieger, S. N. Hill, and J. H. Ellis. 53 p. (No. 25, Series 1926.) 1930.

MISSISSIPPI

1926. Claiborne County. B. H. Hendrickson and J. E. McKeehen. 34 p. (No. 23, Series 1926.) 1930.
 1924. Harrison County. Robert Wildermuth, J. Ambrose Elwell, B. H. Williams, A. L. Gray, J. A. Kerr, and M. J. Edwards. 48 p. (No. 7, Series 1924.) 1928.
 1922. Perry County. E. Malcolm Jones, J. A. Kerr, S. B. Cole, and E. P. Lowe. Pp. 1771-1800. 1928.*

MISSOURI

1923. Lawrence County. A. T. Sweet and Howard V. Jordan. Pp. 1123-1159. (No. 34, Series 1923.) 1928.
 1926. Polk County. H. H. Krusekopf, Howard V. Jordan, and M. W. Beck. 32 p. (No. 18, Series 1926.) 1930.
 1922. Ray County. A. T. Sweet and H. V. Jordan. Pp. 1423-1456. 1927.*

NEBRASKA

1923. Adams County. F. A. Hayes and D. F. Hyde. Pp. 1375-1422. (No. 41, Series 1923.) 1929.
 1924. Buffalo County. F. A. Hayes, A. N. Huddleston, and M. H. Layton. 56 p. (No. 12, Series 1924.) 1928.
 1922. Burt County. Louis A. Wolfanger, L. S. Paine, G. E. Condra, and V. M. Russom. Pp. 1493-1530. 1927.*
 1924. Butler County. A. W. Goke and G. E. Bates. 36 p. (No. 20, Series 1924.) 1929.
 1922. Cuming County. L. S. Paine, F. A. Hayes, G. E. Condra, and G. E. Bates. Pp. 787-827. 1926.*
 1924. Garden County. Louis A. Wolfanger, A. W. Goke, H. E. Weakley, and E. H. Strieter. 55 p. (No. 17, Series 1924.) 1929.
 1923. Kearney County. M. H. Layton, A. N. Huddleston, G. E. Condra, and F. A. Hayes. Pp. 441-484. (No. 15, Series 1923.) 1928.
 1926. Keith County. M. H. Layton and W. H. Buckhannan. 52 p. (No. 14, Series 1926.) 1930.
 1922. Merrick County. F. A. Hayes, A. N. Huddleston, M. H. Layton, G. E. Bates, and H. L. Bedell. Pp. 871-919. 1926.*
 1925. Nuckolls County. Louis A. Wolfanger, R. D. Wood, and A. N. Huddleston. 53 p. (No. 17, Series 1925.) 1930.
 1923. Platte County. L. S. Paine, F. A. Hayes, and G. E. Bates. Pp. 1423-1469. (No. 42, Series 1923.) 1929.
 1923. Webster County. Louis A. Wolfanger and R. D. Wood. Pp. 1505-1555. (No. 44, Series 1923.) 1929.

*Issued as Soil survey advance sheets.

NEVADA

1923. Las Vegas area (part of Clark County). E. J. Carpenter and F. O. Youngs. Pp. 201-245. (No. 8, Series 1923.) 1929.
 1923. Moapa Valley area (part of Clark County). F. O. Youngs and E. J. Carpenter. Pp. 749-774. (No. 23, Series 1923.) 1928.

NEW JERSEY

1925. Bergen area (Hudson and Bergen Counties, and parts of Essex, Passaic, Union, Morris, and Middlesex Counties). L. L. Lee, J. E. Tine, and R. L. Gillett. 28 p. (No. 32, Series 1925.) 1930.
 1923. Salem area (parts of Salem Gloucester, and Cumberland Counties.) R. T. Avon Burke, James Thorp, and W. G. Seltzer. Pp. 1649-1696. (No. 47, Series 1923.) 1929.
 1921. Trenton area (parts of Mercer, Middlesex, Burlington, Monmouth, Ocean, and Somerset Counties). L. L. Lee, William Seltzer, E. B. Deeter, C. B. Manifold, G. M. McVey, and James Thorp. Pp. 1575-1632. 1926.*

NEW YORK

1922. Cayuga County. H. G. Lewis, E. F. Brookins, R. L. Gillett, F. B. Howe, and D. F. Kinsman. Pp. 1023-1082. 1926.*
 1923. Columbia County. H. G. Lewis and D. F. Kinsman. Pp. 1557-1599. (No. 45, Series 1923.) 1929.
 1922. Genesee County. H. G. Lewis, E. F. Brookins, F. B. Howe, and D. F. Kinsman. Pp. 1595-1648. 1927.*
 1923. Herkimer County area. H. G. Lewis, E. F. Brookins, F. B. Howe, and D. F. Kinsman. Pp. 1601-1648. (No. 46, Series 1923.) 1929.

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1926. Burke County. W. D. Lee and S. R. Bacon. 34 p. (No. 22, Series 1926.) 1930.
 1923. Camden and Currituck Counties. S. O. Perkins, W. D. Lee, G. B. Shivery, and S. F. Davidson. Pp. 25-56. (No. 2, Series 1923.) 1928.
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 1927. Davie County. R. C. Journey and S. R. Bacon. 28 p. (No. 5, Series 1927.) 1930.
 1924. Greene County. S. O. Perkins and H. G. Lewis. 30 p. (No 6, Series 1924.) 1928.
 1927. Lenoir County. R. C. Journey and W. A. Davis. 24 p. (No. 2, Series 1927.) 1930.
 1926. Nash County. W. D. Lee and S. R. Bacon. 47 p. (No. 6, Series 1926.) 1930.
 1925. Northampton County. W. D. Lee and S. F. Davidson. 48 p. (No. 9, Series 1925.) 1929.
 1923. Polk County. W. D. Lee and S. F. Davidson. Pp. 331-356. (No. 12, Series 1923.) 1928.
 1926. Rockingham County. R. C. Journey and W. A. Davis. 30 p. (No. 7, Series 1926.) 1930.
 1924. Rutherford County. R. C. Journey, W. D. Lee, W. A. Davis, and S. F. Davidson. Pp. 125-154. (No. 5, Series 1924.) 1928.
 1923. Sampson County. R. C. Journey, W. A. Davis, and W. D. Lee. Pp. 57-89. (No. 3, Series 1923.) 1928.
 1928. Watauga County. W. A. Davis, W. B. Cobb, and R. E. Devereux. 14 p. (No. 1, Series 1928.) 1930.
 1925. Wilson County. R. C. Journey and W. A. Davis. 32 p. (No. 10, Series 1925.) 1929.
 1924. Yadkin County. William D. Lee and S. F. Davidson. 24 p. (No. 1, Series 1924.) 1928.

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 1925. Muskingum County. S. W. Phillips, H. M. Smith, G. W. Conrey, W. B. Oliver, Ivan Hodson, and R. E. Blaney. 46 p. (No. 26, Series 1925.) 1930.
 1926. Washington County. S. W. Phillips, H. M. Smith, A. H. Paschall, Ralph Blaney, and George Drewes, jr. 30 p. (No. 19, Series 1926.) 1930.

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1921. Clackamas County. A. E. Kocher, E. J. Carpenter, and K. S. Taylor. Pp. 1633-1701. 1926.*
 1925. Eugene area (part of Lane County). E. J. Carpenter, T. W. Glassey, A. O. Alben, and V. D. Young. 62 p. (No. 33, Series 1925.) 1930.
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SOUTH DAKOTA

1925. Brown County. W. I. Watkins and G. A. Larson. 32 p. (No. 22, Series 1925.) 1930.
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1923. Cameron County. M. W. Beck and B. H. Hendrickson. Pp. 537-575. (No. 17, Series 1923.) 1928.
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