

Publications
of the
**Kansas Agricultural
Experiment Station
1888 to 2008**

Agricultural Experiment Station
Kansas State University, Manhattan
Fred A. Cholick, Director

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Introduction

This list includes titles for the following categories of publications: Annual Report and Biennial Report, Bulletin (including Press Bulletin), Circular, Inspection Circular, Keeping Up With Research, Report of Progress, Technical Bulletin, and Research Publication.

Circulars, inspection circulars, press bulletins, technical bulletins, and research publications are no longer published. Some annual publications have been issued in two or more categories, as those categories were redefined. Titles of some annual publications also have changed.

Research from each experiment field was published as a separate Report of Progress from 1975-80 and then as a Department Report from 1980-91. The latter series is available from the Department of Agronomy at Kansas State University or from the appropriate experiment fields. Since 1992, research results from all fields have been combined in one Report of Progress.

Names of branch experiment stations have changed through the years. The Garden City and Tribune branch stations were combined to form the Southwest Branch Experiment Station. This name was changed recently to the Southwest Research-Extension Center. The Mound Valley Branch Experiment Station was combined with two other locations to form the Southeast Branch Experiment Station, which is now called the Southeast Agricultural Research Center. The Fort Hays Branch Experiment Station was renamed the Agricultural Research Center-Hays. The Colby Branch Experiment Station was renamed the Northwest Research-Extension Center.

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Annual and Biennial Reports

Annual Reports of the Kansas Agricultural Experiment Station—1888 to 1919

Biennial Reports of the Kansas Agricultural Experiment Station—1919-1920 to 2001.

Bulletins

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| 1. Organization, Equipment, and Aims, 1888
E.M. Shelton, 6 pp. | 15. Additional Experiments and Observations on
Oat Smut, 1890, W.A. Kellerman,
W.T. Swingle, 40 pp. |
| 2. Experience with Cultivated Grasses and Clo-
vers, E.M. Shelton, 13 pp. | 16. Experiments with Sorghum and Sugar Beets,
G.H. Failyer, J.T. Willard, 15 pp. |
| 3. Life-History of Two Orchard Pests,
E.A. Popenoe, 13 pp. | 17. Crossed Varieties of Corn, Second and Third
Years, W.A. Kellerman, W.T. Swingle, 25 pp. |
| 4. Experiments with Wheat, E.M. Shelton, 6 pp. | 18. Experiments with Forage Plants, C.C. George-
son, H.M. Cottrell, W.M. Shelton, 17 pp. |
| 5. Sorghum and Sorghum Blight, G.H. Failyer,
W.A. Kellerman, 10 pp. | 19. Germination of Weeviled Peas. Garden Notes
on Potatoes, Beans and Cabbage, E.A. Pope-
noe, S.C. Mason, F.A. Marlatt, 10 pp. |
| 6. Silos and Ensilage, 1889, E. M. Shelton, 14 pp. | 20. Experiments with Wheat, 1891, C.C.
Georgeson, H.M. Cottrell, W.M. Shelton, 44 pp. |
| 7. Experiments with Wheat, E. M. Shelton, 11 pp. | 21. 2nd Report of Fungicides for Stinking Smut of
Wheat, W.A. Kellerman, 27 pp. |
| 8. Preliminary Report on Smut in Oats,
W.A. Kellerman, W.T. Swingle, 17 pp. | 22. Smut of Oats; Smut and Rust of Wheat, W.A.
Kellerman, 21 pp. |
| 9. Experiment in Pig Feeding, E.M. Shelton,
H.M. Cottrell, 18 pp. | 23. Smut of Sorghum & Corn, W.A. Kellerman,
14 pp. |
| 10. Notes on Conifers for Kansas Planters, 1890,
E.A. Popenoe, S.C. Mason, F.A. Marlatt, 11 pp. | 24. Enzootic Cerebritis, or "Staggers" of Horses,
N.S. Mayo, 11 pp. |
| 11. Experiments with Wheat, C.C. Georgeson,
H.M. Cottrell, W.M. Shelton, 12 pp. | 25. Sorghum for Sugar, G.H. Failyer, J.T. Willard,
9 pp. |
| 12. Preliminary Experiments with Fungicides for
Stinking Smut of Wheat,
W.A. Kellerman, W.T. Swingle, 25 pp. | 26. Varieties of the Strawberry, E.A. Popenoe, S.C.
Mason, 12 pp. |
| 13. Experiments with Oats, C.C. Georgeson,
H.M. Cottrell, W.M. Shelton, 28 pp. | 27. Crossed Varieties of Corn, W.A. Kellerman, 20
pp. |
| 14. Winter Protection of Peach Trees and Notes
on Grapes, E.A. Popenoe, S.C. Mason, F.A.
Marlatt, 12 pp. | |

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28. The Experimental Vineyard, 1891, E.A. Popenoe, S.C. Mason, 10 pp.
29. Experiments with Oats, C.C. Georgeson, F.C. Burtis, W.M. Shelton, 12 pp.
30. Experiments with Corn, C.C. Georgeson, F.C. Burtis, W.M. Shelton, 27 pp.
31. Sugar Beets, G.H. Failyer, J.T. Willard, 15 pp.
32. Feeding Stuffs, and the Development of the Grain Crops. Soybeans, 18 pp.
33. Experiments with Wheat, 1892, C.C. Georgeson, F.C. Burtis, W.M. Shelton, 50 pp.
34. Experiments in Feeding Steers, C.C. Georgeson, F.C. Burtis, W.M. Shelton, 52 pp.
35. “Actinomycosis bovis”, or “Lumpy Jaw” of Cattle. Some Observations upon Loco, N.S. Mayo, 24 pp.
36. Experiments with Sorghum and with Sugar Beets, G.H. Failyer, J.T. Willard, 30 pp.
37. Experiments in Potato Culture, E.A. Popenoe, S.C. Mason, F. A. Marlatt, 13 pp.
38. Preliminary Report on Rusts of Grain, 1893, A.S. Hitchcock, C. A. Carleton, 19 pp.
39. Experiments in Feeding Steers, II, C.C. Georgeson, F.C. Burtis, D.H. Otis, 39 pp.
40. Experiments in Wheat, C.C. Georgeson, F.C. Burtis, D.H. Otis, 12 pp.
41. Effect of Fungicides upon the Germination of Corn, A.S. Hitchcock, M.A. Carleton, 17 pp.
42. Experiments with Oats, C.C. Georgeson, F.C. Burtis, D.H. Otis, 11 pp.
43. Experiments with Sorghum and Sugar Beets G.H. Failyer, J.T. Willard, 22 pp.
44. Further Study of Native Grapes, 1893, E.A. Popenoe, S.C. Mason, 13 pp.
45. Experiments with Corn, C.C. Georgeson, F.C. Burtis, D.H. Otis, 21 pp.
46. Rusts of Grain II, 1894, A.S. Hitchcock, C. A. Carleton, 9 pp.
47. Experiments with Wheat Experiments in Feeding Steers III, C.C. Georgeson, F.C. Burtis, D.H. Otis, 22 pp.
48. Six Years’ Experience with Ensilage. Some Forage Plants. Renovating a Prairie Pasture, C.C. Georgeson, F.C. Burtis, D.H. Otis, 22 pp.
49. Cattle Poisoning by Nitrate of Potash. Mastitis, 1895, N.S. Mayo, 16 pp.
50. Kansas Weeds I. Seedlings, A.S. Hitchcock, J.B.S. Norton, 41 pp.
51. Steer Feeding IV. A Comparison between Pure-bred Shorthorns and Scrubs, C.C. Georgeson, F.C. Burtis, D.H. Otis, 39 pp.
52. Kansas Weeds. Preliminary Circular on Distribution, A.S. Hitchcock, J.B.S. Norton, 17pp. (inc. weed reporting form)
53. Pig-feeding Experiments with Corn, Wheat, Kafir-corn, and Cottonseed, C.C. Georgeson, F.C. Burtis, D.H. Otis, 12 pp. Note errata sheet.
54. Experiments with Oats, C.C. Georgeson, F.C. Burtis, D.H. Otis, 11 pp.
55. Small Fruits by Irrigation. Culture of Strawberries, S.C. Mason, F.C. Sears, 23 pp.
56. Experiments with Corn Experiments with Kafir-corn, 1895, C.C. Georgeson, F.C. Burtis, D.H. Otis, 20 pp.
57. Kansas Weeds III. Descriptive List, 1896 A.S. Hitchcock, J.B.S. Norton, 64 pp.

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| 58. Cornstalk Disease of Cattle, 1896, N.S. Mayo, 24 pp. | 75. Root Development of Forage Plants, 1897, C.C. Georgeson, J.E. Payne, 17 pp. |
| 59. Experiments with Wheat, C.C. Georgeson, F.C. Burtis, D.H. Otis, 17 pp. | 76. Fifth Report on Kansas Weeds. Vegetative Propagation of Perennial Weeds, 1898, A.S. Hitchcock, G.L. Clothier, 36 pp. |
| 60. Steer-feeding Experiments, Series V C.C. Georgeson, F.C. Burtis, D.H. Otis, 40 pp. | 77. Some Insects Injurious to the Orchard, E.E. Faville, P.J. Parrott, 38 p. + 4 p. Calendar |
| 61. Kafir-corn, Corn and Soybean Meal for Pigs. Kafir-corn and Cornmeal for Cattle, C.C. Georgeson, F.C. Burtis, D.H. Otis, 22 pp. | 78. Sugar Beets, J.T. Willard, 16 pp. |
| 62. Corn-smut, A.S. Hitchcock, J.B. Norton, 44 pp. | 79. Bovine Tuberculosis, P. Fischer, 36 pp. |
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| 64. Experiments with Corn, 1897, C.C. Georgeson, F.C. Burtis, D.H. Otis, 20 pp. | 81. Feed and Care of the Dairy Cow, 1898, H.M. Cottrell, F.C. Burtis, D.H. Otis, 38 pp. |
| 65. Grafting the Apple, S.C. Mason, I. Jones, 25 pp. | 82. The Potato-stalk Weevil, 1899, E.E. Faville, P.J. Parrott, 12 pp. |
| 66. Kansas Weeds IV. Fruits and Seeds, A.S. Hitchcock, G.L. Clothier, 36 pp. | 83. Sugar Beets, J.T. Willard, G.L. Clothier, 16 pp. |
| 67. Steer Feeding VI, C.C. Georgeson, F.C. Burtis, D.H. Otis, 19 pp. | 84. Cold Storage for Fruit, E.E. Faville, W.L. Hall, 33 pp. |
| 68. Soil Moisture, G.H. Failyer, J.T. Willard, 27 pp. | 85. The Growth of Alfalfa in Kansas, 1899 G.L. Clothier, 16 pp. |
| 69. Some Diseases of Cattle, N.S. Mayo, 32 p. | 86. Press Bulletins Nos. 1-34 |
| 70. Vegetable Growing, S.C. Mason, W.L. Hall, 33 p. | 1. Wheat Experiments |
| 71. Experiments with Wheat, C.C. Georgeson, F.C. Burtis, D.H. Otis, 12 pp. | 2. Keeping Milk in Hot Weather |
| 72. Growth of Young Stock, C.C. Georgeson, F.C. Burtis, D.H. Otis, 6 pp. | 3. The Fringed-Wing Apple-Bud Moth |
| 73. Miscellaneous Fruit Notes, S.C. Mason, W.L. Hall, 13 pp. | 4. Soil Moisture and Soil Stirring |
| 74. Experiments with Oats, F.C. Burtis, D.H. Otis, 17 pp. | 5. Blackleg |
| | 6. The Sand Plum |
| | 7. Kaffir Corn for Fattening Pigs |
| | 8. Some Reasons Why Fruit Does Not Set |
| | 9. The Peach Twig-Borer |
| | 10. Fall Preparation for Alfalfa |
| | 11. Celery |
| | 12. The Balanced Ration |
| | 13. Seed Breeding |

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14. The Fruit-Tree Bark-Beetle
15. Kansas Sugar Beets for 1898
16. Actinomycosis (Lump Jaw, Big Jaw)
17. Hardy Ornamental Shrubs
18. Notes on Weeds
19. The Potato-Stalk Weevil
20. Possibilities in Corn Improvement
21. Winter Protection of Peach Buds
22. Grazing Grasses of Western Kansas
23. The Spring Canker-Worm
24. A New Crop for Kansas Farmers (Soybeans)
25. Alfalfa Hay for Fattening Hogs
26. *Taenia fimbriata* (Fringed Tape-Worm)
27. Sugar Beet Experiments for 1899
28. Treatment of Winter-Injured Trees
29. Milking Scrub Cows
30. Lice on Animals
31. Potato Scab
32. Blackleg (A) Prevention
33. Blackleg (B) Treatment--Prevention
34. Get Ready for the Drouth
87. Native Agricultural Grasses of Kansas, 1899, A.S. Hitchcock, G.L. Clothier, 29 pp.
88. Keeping Milk in Summer, H.M. Cottrell, F.C. Burtis, D.H. Otis, 6 pp.
89. Soil Moisture, J.T. Willard, R.W. Clothier, 22 pp.
90. Alfalfa in Eastern Kansas, 1900, H.M. Cottrell, D.H. Otis, J. G. Haney, 4 pp.
91. Swine-Plague, P. Fischer, 14 pp.
92. A New Drought-resisting Crop. Soybeans, H.M. Cottrell, D.H. Otis, J. G. Haney, 10 pp.
93. Kafir-corn, H.M. Cottrell, D.H. Otis, J. G. Haney, 20 pp.
94. Sugar Beets, 1899. J.T. Willard, R.W. Clothier, 7 pp.
95. Fattening Hogs with Drought-resisting Crops, H.M. Cottrell, D.H. Otis, J. G. Haney, 27 pp.
96. Soil Inoculation for Soybeans, 1900, H.M. Cottrell, D.H. Otis, J. G. Haney, 20 pp.
97. Skim-milk Calves, H.M. Cottrell, D.H. Otis, J. G. Haney, 16 pp.
98. Some Scale-insects upon Kansas Grasses, E. A. Popenoe, P.J. Parrott, 26 pp.
99. Press Bulletins Nos. 35-70
35. Dysentery in Calves and Other Young Animals
36. Experiments with Swine-Plague or Hog-Cholera
37. Kafir-corn, Alfalfa Hay and Soybeans for Pork
38. What is a Digestion Experiment?
39. Skim-milk Calves
40. Orchard Cultivation
41. A Digestion Experiment with Alfalfa Hay
42. To Rid the House of Flies
43. Selection of Seed Wheat
44. The Profitable Strawberry Bed
45. Early Plowing and Moisture Conservation
46. Soybeans
47. Awnless Brome-grass
48. The Kansas Experiment Station
49. A Horn-fly Trap Experiment
50. Infectious Abortion in Cattle
51. Alfalfa in Eastern Kansas
52. Some Nitrogenous Forage-Plants
53. Experiments with Sugar Beets in 1899 and 1900
54. Kafir-corn
55. Plant Breeding by Bud Selection
56. Digestion Experiments with Kafir-corn Stover and Kafir-corn Meal
57. Protective Inoculation against Blackleg in Cattle
58. Questions about Forage Plants
59. How to Test the Vitality of Garden Seeds
60. Gophers and Crab-grass versus Alfalfa

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| 61. | Salsify, or Oyster Plant | 113. | Baby Beef, H.M. Cottrell, J.G. Haney, O.H. Elling, 11 pp. |
| 62. | Tame Grasses for Kansas | 114. | Growing Alfalfa in Kansas, H.M. Cottrell, 43 p. |
| 63. | <i>Bromus inermis</i> | 115. | The Exact Calculations of Balanced Rations, J.T. Willard, 50 pp. |
| 64. | Prevention of Grain Smuts | 116. | Destroying Prairie-dogs and Pocket-gophers, 1903, D.E. Lantz, 20 pp. |
| 65. | Horn-fly Remedies | | |
| 66. | Causes of Failure in Spraying | 117. | Bacteria of the Soil, N.S. Mayo, A.T. Kinsley, 19 pp. |
| 67. | The Cultivated Catalpas | 118. | Flesh and Fat in Beef, D.H. Otis, 28 pp. |
| 68. | The Buffalo Tree-Hopper | 119. | Press Bulletins Nos. 71-124 |
| 69. | The Cultivated Millets | 71. | Experience in Soiling and Pasturing Cows, 1899 |
| 70. | Botanical Notes on Wheat and Spelt | 72. | Fattening Steers without Hogs |
| | | 73. | Cultivated Blue-grasses |
| 100. | Soybeans in Kansas in 1900, H.M. Cottrell, D.H. Otis, J. G. Haney, 53 pp. | 74. | Some Interesting Climbers for the Veranda |
| 101. | Notes from the Plum Orchard, 1901, E.A. Popenoe, A. Dickens, 44 pp. | 75. | The Races of Corn |
| 102. | Forage Plants for Kansas, A.S. Hitchcock, J.M. Westgate, 58 pp. | 76. | Sugar Beets in Kansas, 1900 |
| 103. | Digestion Experiments with Kansas Feeds. Sugar Beets in Kansas 1891 to 1900, J.T. Willard, R.W. Clothier, 34 pp. | 77. | Honeysuckles at the Kansas Station |
| 104. | Fall Seeding of Alfalfa, H.M. Cottrell, 6 pp. | 78. | Johnson Grass |
| 105. | Blackleg in Kansas, P. Fischer, A. Kinsley, 23 p. | 79. | A Digestion Experiment with Buffalo-grass Hay |
| 106. | The Experimental Apple Orchard, 1902, A. Dickens, G. O. Greene, 27 pp. | 80. | Notes on Plums |
| 107. | Analysis of Corn, with Reference to Its Improvement, J.T. Willard, R.W. Clothier, F.C. Weber, 42 pp. | 81. | Soybeans in Kansas in 1900 |
| 108. | The Hardy Catalpa, H.F. Roberts, 82 pp. | 82. | Disking Alfalfa |
| 109. | Spontaneous Combustion of Alfalfa, H.M. Cottrell 6 pp. | 83. | Clovers |
| 110. | Grapes, A. Dickens, G. O. Greene, 30 pp. | 84. | Tests of Soybeans by Kansas Farmers in 1900 |
| 111. | Quality in Beef, H.M. Cottrell, 24 pp. | 85. | Roots for Kansas Farmers |
| 112. | Fattening Steers without Hogs to Follow, H.M. Cottrell, J.G. Haney, 12 pp. | 86. | Kafir-corn versus Good Butter |
| | | 87. | When to Cut Alfalfa |
| | | 88. | Condimental Stock Food for Dairy Cows |
| | | 89. | Shelled Corn Compared with Corn Chop for Young Calves |
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| | | 91. | The Clover-hay Worm |
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95. Skim-milk Calves in the Feed-lot
96. Feeding Wheat
97. Inquiries Concerning Prairie-dogs and Gophers
98. What Shall We Feed?
99. Fall Seeding of Alfalfa
100. Sorghum Pasture for Dairy Cows
101. The Hessian Fly
102. Maintenance Ration for Cattle
103. Grain Weevils
104. Cattle Distemper
105. Sore Mouth of Cattle
106. Profit in Maintaining the Milk Flow
107. Cerebritis or "Staggers" in Horses
108. Destroying Prairie-dogs--A Preliminary Report
109. Destroying Pocket-gophers
110. Corn Improvement
111. Onion Notes
112. Pneumonia in Cattle
113. Pasture Weeds--Their Prevention and Eradication
114. Whole Kafir-corn Compared with Ground Kafir-corn for Young Calves
115. Contagious Sore Eyes in Cattle
116. Glanders and Farcy
117. Ergotism
118. Scab or Itch in Cattle
119. Poison for Prairie-dogs and Pocket-gophers
120. Better Bred Grain and Corn for Kansas
121. Fistulous Withers and Poll-evil
122. Pasture for Hogs
123. A Test of Hand Separators
124. Late Crops
120. Tests of Forest Trees, 1904, A. Dickens, G. O. Greene, 47 pp.
121. Treatment and Utilization of Flood-damaged Lands, A.M. Ten Eyck, 30 pp.
122. Blackleg and Vaccination, N.S. Mayo, C.L. Barnes, 16 pp.
123. Crop Experiments in 1903, A.M. Ten Eyck, V.M. Shoesmith, 67 pp.
124. Experiments in Feeding Steers and in Breeding and Feeding Pigs, D.H. Otis, 57 pp.
125. Experiments with Dairy Cows, 1904, D.H. Otis, 103 pp.
126. Experiments with Hand-fed Calves, D.H. Otis, 36 pp.
127. The Roots of Plants A.M. Ten Eyck, 55 pp.
128. Experiments at the Fort Hays Branch Station, J.G. Haney, O.H. Elling, 78 pp.
129. Kansas Mammals in Their Relation to Agriculture, D.E. Lantz, 72 pp.
130. Steer-Feeding Experiment, VII-1903-1904, O. Erf, R.J. Kinzer, G.C. Wheeler, 7 pp.
131. Care of Dairy Utensils, 1905, O. Erf, C.W. Melick, 12 pp.
132. Western Feeds for Beef Production 1906, J.G. Haney, O.H. Elling, G.K. Helder, 32 pp.
133. Alfalfa Seed Its Alduterants, Substitutes and Impurities and Their Detection, 1906, J.G. Haney, O.H. Elling, G.K. Helder, 32 pp.
134. The Alfalfa Seed-crop and Seeding Alfalfa, A.M. Ten Eyck, 19 p.
135. Grading Cream, O. Erf, 12 p.
136. Press Bulletins Nos. 125-151
125. Meadow Fescue
126. Corn Ensilage for Steers
127. Rabies, or Hydrophobia
128. Preventive Work against the Hessian Fly
129. *Bromus Inermis*
130. Poison for Prairie-Dogs and Other Rodents
131. Warbles or Grubs in Cattle
132. The Common Garden Mole
133. Grasshopper Poisons
134. Baby Beef

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| 135. | Ring-Bone and Spavin | 146. | Kansas Law Regulating the Sale of Concentrated Feeding Stuffs, 6 pp. |
| 136. | Contagious Abortion in Cattle | 147. | Indian Corn |
| 137. | Some Troubles of Swine | 148. | Law Regulating the Sale of Commercial Fertilizers |
| 138. | Testing Seed-corn for Vitality | 149. | Prevention of Sorghum and Kafir-corn Smut |
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| 140. | Kansas Experiment Station Egg-Laying Contest | 151. | Alfalfa Breeding |
| 141. | Swine Feeding Test with Sorghum-seed Meal, Kafir-corn Meal, Soybean Meal and Corn-meal | 152. | The Pocket Gopher |
| 142. | Summer Pruning | 153. | Deterioration of Red Texas Oats in Kansas |
| 143. | Preparing Fruits for Exhibition | 154. | The Mound-building Prairie Ant |
| 144. | The Garden Web-Worm | 155. | Alfalfa |
| 145. | A Shade-Tree Pest: The Fall Web-Worm | 156. | The Yellow Berry Problem in Kansas Hard Winter Wheats |
| 146. | Testing Winter Wheat Varieties for Western Kansas | 157. | Studies on Hog Cholera and Preventative Treatment |
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| 148. | A Troublesome Parasite of the Horse | 159. | Analyses of Eggs |
| 149. | Swine Feeding Tests--Armour's Deodorized Meat Meal and Alfalfa Hay as Supplementary Feeds to Corn | 160. | Cow-peas |
| 150. | The San Jose Scale in Kansas | 161. | The Influence of Depth of Cultivation upon Soil Bacteria and Their Activities |
| 151. | Baby Beef Production with Western Feeds | 162. | The Marketing of Eggs, 16 pp. |
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| 144. | Small Grain Crops | | |
| 145. | Spraying | | |

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| 167. | A Quantitative Method for the Determination of Hardness in Wheat | 188. | The Hessian Fly |
| 168. | The Common Mole, 36 pp. | 189. | Mill and Stored Grain Insects |
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| 177. | Milling Tests of Wheat and Baking Tests of Flour, 125 pp. | 198. | Kafir in Field and Feed Lot |
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| 182. | Vaccination against Hog Cholera | 203. | Orchard Spraying, 1915, 44 pp. |
| 183. | Kansas State Live Stock Registry Board Report No. 3 | 204. | Analysis of Inspection Samples of Fertilizers, 1915, 40 p. |
| 184. | Reprint of Bull. 181 Revised. The Permit System of Buying Cream | 205. | Growing Corn in Kansas, 46 pp. |
| 185. | Preparing Land for Wheat | 206. | The Relation of Moisture to Yield of Winter Wheat in Western Kansas, 34 pp. |
| 186. | Feeding Work Horses 55 pp. | 207. | Soil Survey of Cherokee County, Kansas, 46 pp. + color maps |
| 187. | Analyses of Registered Fertilizers | 208. | Soil Survey of Reno County, Kansas, 48 pp. + |

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| <p>660. Quality Maintenance and Marketing of Wheat Stored on Farms and in Elevators in Kansas. Description, Techniques, and Innovations, Carl Reed and Fred Worman, December, 1993, 60 pp.</p> <p>661. A Glossary of Agriculture, Environment, and Sustainable Development, R. Scott Frey, July, 1996, 26 pp.</p> | <p>662. From Dust Bowl to Green Circles—A Case Study of Haskell County, Kansas, Duane D. Williams and Leonard E. Bloomquist, August, 1996. 46 pp.</p> <p>663. History of the Agricultural Research Center-Hays: The First 100 Years, William Phillips, April 2001, 134 pp.</p> |
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| 358. | 48th Annual Livestock Feeders' Day, 1957-58 5/58 | 377. | 47th Annual Roundup Report. Fort Hays Branch Experiment Station 4/60 |
| 359. | Beef Cattle Feeding Investigations, 1957-58 | 378. | 47th Livestock Feeders' Day 3/60 |
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| 380. Johnsongrass in Kansas 9/60 | 396. Preparing a Research Manuscript 12/67 |
| 381. Cody Alfalfa 3/61 | 397. Efficient Distribution of Petroleum Products to Farms 8/71 |
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| 383. Livestock Feeders' Day 3/61 | 399. Reforesting Kansas Coal Spoils |
| 384. Kansas Laws for Farm Landlords and Tenants 5/62 | 400. Woodstalk. A Guide to Trees at KSU |
| 385. Controlling Elm Calligrapha Beetles 8/62 (rev. 1970) | 401. Foliage Plants. Their Selection and Care for Interior Designs |
| 386. Controlling Elmleaf Beetles 1/63 (rev. 1970) | 402. Foliage House Plants |
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| 394. Sudangrass Varieties, Sorghum-sudangrass Hybrids and Sudangrass Hybrids 12/66 | 410. Wind Erosion Control in South Central and Southwestern Kansas |
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| 1. | Analyses of Inspection Samples of Fertilizers | 11. | Kansas State Live Stock Registry Board |
| 2. | List of Stallions Licensed from October 1, 1915 to October 1, 1916 | 12. | Report on Commercial Fertilizers in 1919 |
| 3. | Analyses of Inspection Samples of Fertilizers, 1915-1916 | 13. | Kansas State Live Stock Registry Board |
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| 5. | Feed Registration under the Kansas Feeding-stuffs Law | 15. | State Live Stock Registry Board |
| 6. | Kansas State Live Stock Registry Board | 16. | Fertilizer Control in 1920 |
| 7. | Analyses of Inspection Samples of Fertilizers, 1917 | 17. | The Enforcement of the Kansas Live Stock Remedy Law |
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| 10. | Fertilizer Control in 1918 | 20. | List of Stallions Licensed from January 1, 1922 to December 31, 1922 |

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1. Report of 1973 Herbicide Data
2. Controlling Johnsongrass in Soybeans
3. Herbicides for Weeds in Soybeans
4. Soil Tillage Effects on Soil Moisture and Grain Sorghum Yield
5. Controlling Velvetleaf in Soybeans with Basagran
6. Forage from Small Grain Crops
7. Controlling Wheat-Streak Mosaic
8. Bermudagrass Varieties in Southeastern Kansas
9. 1974 Soybean Herbicide Performance in Southeastern Kansas
10. Creep Feeding Fall Calves on Fescue Pasture
11. Roughage Sources for Growing Heifers Evaluated
12. Feeding Holstein Bulls and Steers for Beef Production
13. Continuous and Interrupted, Supplemental Protein Feeding Compared
14. Two Ways to Fight Alfalfa Weevils
15. Report of 1974 Herbicide Data
16. How Planting Date and Maturing Time Influence Losses of Irrigated Corn to Southwestern Corn Borers
17. Irrigating Corn and Grain Sorghum with Limited Water
18. Irrigating Soybeans with Limited Water
19. Irrigating Corn in Extreme West-Central Kansas
20. Effect of Mud on the Market Value of Slaughter Cattle
21. Killing Unwanted Trees with Tordon 101 Mixture
22. Report of 1975 Herbicide Data
23. Graze First-Year Native Grass Plantings
24. Legume Rotations-Crop Yields and Nitrogen Fixation
25. Controlling Weeds in Wheat Stubble in Extreme Western Kansas
26. Controlling Soilborne Wheat Mosaic
27. Summer Injection of 2,4-D and Tordon Herbicides to Control Unwanted Trees in Kansas Woodlands
28. Seasonal Pasture for Ewes in Northwestern Kansas
29. Report of 1976 Herbicide Data
30. An Easy Method of Estimating Potential Evapotranspiration
31. Effect of Soil Moisture Depletion on Soybeans
32. Evapotranspiration from Corn, Sorghum, Soybean, and Winter Wheat
33. Two-year Test Results Suggest Caution with Dinoseb as a Yield Stimulant for Corn or Grain Sorghum
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| 35. A Survey of Home Canning in Three Kansas Counties | 54. Seeding Rates of Wheat with Tall Fescue |
| 36. Flowering Crabapple Evaluations, 1972-77 | 55. Tillage and No-preplant Tillage Compared for Grain Sorghum and Soybean |
| 37. Managing Southwestern Corn Borer Populations in Irrigated Kansas Corn | 56. Chinch Bug Resistance in Commercial Grain and Forage Sorghum Hybrids |
| 38. Residual Effects of Phosphorus on Dryland Grain Sorghum (Milo) | 57. Insecticides Applied at Planting Time or as Foliar Sprays to Control Chinch Bugs on Grain Sorghum |
| 39. Limited Irrigation of Grain Sorghum | 58. Yield and Water Use of Alfalfa |
| 40. Interseeding Legumes Into Cool-season Grasses | 59. Conventional and Reduced Tillage Methods in Corn Production |
| 41. Managing Irrigated Crop Residue | 60. Field Comparisons of Irrigation Scheduling by Neutron Probe and a Computerized Water Balance |
| 42. Using Foliar and Planting-time Insecticides to Control Chinch Bugs in Grain Sorghum | 61. Nitrogen Fertilization of Dryland Wheat in Southwest Kansas |
| 43. Data Needs of Kansas Park and Recreation Agency Administrators | 62. High Population, Narrow Row Dryland Sorghum for Southwest Kansas |
| 44. Overseeding Bermudagrass to Cool-season Grasses | 63. Selecting Sorghum Hybrids for the Wheat Sorghum Fallow System in Southwest Kansas |
| 45. Using a Programmable Calculator to Schedule Irrigation | 64. Production by Crossbred Ewes (Finn-Dorset x Rambouillet) in Northwestern Kansas |
| 46. Nematicide Treatment of Corn in Western Kansas | 65. Herbicides for Use on High pH Soils in the Wheat Fallow System in Southwest Kansas |
| 47. How Nitrification Inhibitors Perform in Kansas | 66. Wheat in Lamb Rations |
| 48. Performance Tests of Red Clover Varieties in Eastern Kansas | 67. Efficient Storage of Soil Moisture with the Wheat-Sorghum-Fallow System |
| 49. Try Some “Super Thick” Sorghum | 68. Response of Soybean Varieties to Different Planting Dates in Southeastern Kansas |
| 50. Fescue Turfgrasses | 69. Reduced Tillage Cropping Systems for Southwest Kansas |
| 51. How Burning and Other Methods of Removing Irrigated Crop Residues Affect Yields and Soils | 70. Proso Millet as a Crop Alternative |
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| 71. Pale Western Cutworm Control on Wheat | 89. Competition and Control of Annual Bromes in Winter Wheat |
| 72. Phosphate Fertilizer Management for Irrigated Corn Production | 90. Disease Reaction of Sorghum Hybrids to Infection by Maize Dwarf Mosaic Virus Strains A and B |
| 73. Soil Wetting Agents | |
| 74. Effect of Seed Size and Density on Winter Wheat Performance (74R 6/84) | 91. Lifetime Production Performance by Suffolk x Rambouillet Ewes in Northwestern Kansas |
| 75. Greenbug Control on Grain Sorghum | 92. Field Evaluation of Insecticides for Control of Alfalfa Weevil Larvae |
| 76. Research on Wheat-Sorghum-Fallow in Western Kansas | 93. Use-Value Appraisal of Farmland |
| 77. Pearl Millet: A Potential Crop for Kansas | 94. Continuous Cropping of Dryland Grain Sorghum |
| 78. Residual Herbicides for Use in the Wheat-Fallow System 6/84 | 95. Insecticides for Control of Sunflower Moth Larvae on Sunflower |
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| 80. Control of Winter Annual Grasses in South Central Kansas 6/84 | 97. Corn-Soybean Cropping Sequences in the Kansas River Valley |
| 81. Soybeans Tolerant of Iron Chlorosis 12/84 | 98. Field Evaluations of Selected Insecticides to Control Russian Wheat Aphid on Winter Wheat |
| 82. Predicting Pecan Nut Casebearer Activity in Southeast Kansas 10/84 | 99. Pinching Poinsettia Cultivars |
| 83. Phosphorus and Potassium Fertilization of Irrigated Alfalfa 12/84 | 100. Economic Evaluation of Season-Long and Intensive-Early Stocking Systems 2/90 |
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| 87. Fall Application of Herbicides for Musk Thistle Control | 104. Symptom Response of Sorghum Hybrids Infected by Sugarcane Mosaic Virus Strain MDMV-B 12/92 |
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| 105. Effects of Early-Cutting Management on Forage Yield and Quality of Alfalfa in Northeast Kansas 4/93 | 121. Field Symptom Response of Sorghum Hybrids Infected by Maize Dwarf Mosaic Virus, Sugarcane Mosaic Virus Strain MDMV-B, and Johnsongrass Mosaic Virus, 1998, D.L. Seifers |
| 106. Using Reduced Rates of Postemergence Herbicides in Soybeans 7/93 | 122. Protect Streambanks with Trees, 1998, W.A. Geyer, 3 pp. |
| 107. Evaluation of Late Planting Opportunities for Winter Wheat 11/94 | 123. Inhibition of Wheat by Sorghum Residue Under Several Tillage Systems 1999, C. Roth, 4 pp. |
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| 111. Soybean Variety Choices for Increased Resistance to Pendimethalin Herbicide | 127. Response of Bt Corn to Simulated Hail Damage, 2000, M. Witt, 2 pp. |
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| 113. Use of Long Days to Time Flowering of 'Freedom Red' Poinsettia, Mary Lewnes Albrecht, July 1996, 6 pp. | 129. Effects of Alfalfa on Wheat Establishment, 2001, M.D. Witt, 6 pp. |
| 114. Planting Wheat Seed Damaged by Frost Before Harvest, 1997, 5 p. | 130. Grain Quality Components of Corn Hybrids, 2001, K. Roozeboom, T. Herrman, 2 pp. |
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| 116. Response of Drilled Early Corn to Several Plant Populations, 1997, 5 pp. | 132. Acronyms Used in Agricultural Literature, 2001, E. Schofield, 6 pp. |
| 117. Dormant-Season Seeding of Alfalfa, 1997, 3 pp. | 133. Planting Date Effects on Tiller Development and Productivity of Wheat, 4 pp. |
| 118. Forage Yield and Soilborne Mosaic Virus Resistance of Several Varieties of Rye, Triticale, and Wheat, 1997, 6 pp. | 134. Relationship between Tillering and Grain Yield of Kansas Wheat Varieties, 5 pp. |
| 119. Growth and Survival of Wheat Seedlings after Dehydration and Rehydration, 1998, 5 pp. | 135. Synthetic Weed Barrier Mulches for Promoting Survival and Growth of Tree Seedlings, 4 pp. |
| 120. Hard White Wheat for Kansas, 1998, G. Paulsen, 5 pp. | |

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139. Walnut and Scotch Pine Trees Grown with Farm Crops, W. Geyer, 2 pp.

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| 4. Farm Incomes and Living Costs for 229 Kansas Farm and Home Management Association Families, 1948 | 18. Experiment Station Results with Varieties of Spring Oats and Spring Barley |
| 5. Farm Incomes and Living Costs for 203 Kansas Farm and Home Management Association Families, 1949 | 19. Kansas Corn Performance Tests, 1956 |
| 6. Preliminary Study of the Influence of Certain Commercial and Laboratory Preservatives on the Deterioration of Damp Sorghum Grain and Alfalfa Hay | 20. 1956 Experiment Station Results with Varieties and Hybrids of Grain and Forage Sorghum and Soybeans |
| 7. Farm Incomes and Living Costs for 316 Kansas Farm and Home Management Association Families, 1950 | 21. 1957 Experiment Station Results with Varieties of Spring Oats and Spring Barley |
| 8. Spray Schedules Recommended for 1952 | 22. Partial Report on Retirement Plans and Security of Sixty Farm Families |
| 9. Spray Schedules Recommended for 1953 | 23. 1957 Experiment Station Results with Sorghum Varieties and Hybrids and Varieties of Sudangrass and Soybeans |
| 10. Farm Incomes and Living Costs for 320 Kansas Farm and Home Management Association Families, 1951 | 24. A Study of the Productivity of Selected Soils in Western Kansas |
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| 13. Income and Living Costs for 177 Kansas Farm and Home Management Association Families | 27. Horticultural Investigations on Vegetable and Fruit Crops |
| 14. Experiment Results with Varieties of Sorghums, Sudan Grass, Soybeans, Oats and Spring Barley | 28. Investigations on Watermelons, Muskmelons, Cucumbers, Pumpkin and Squash |
| 15. Preliminary Kansas Corn Performance Tests, 1955 | 29. Investigations on Tomatoes, Sweet Potatoes, Sweet Corn and Miscellaneous Vegetable Crops |
| 16. Experiment Station Results with Varieties of Spring Oats and Spring Barley | 30. Fruit Investigations |
| | 31. 1958 Experiment Station Results with Sorghum Varieties and Hybrids and Varieties of Sudangrass and Soybeans |

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| 33. Garden City Fall Field Day Report | 52. Research Results, 1960. Colby Branch Experiment Station |
| 34. 1959 Experiment Station Results with Varieties of Spring Oats and Spring Barley | 53. Spring Field Day, 1961. Garden City Branch Experiment Station |
| 35. Vegetable Investigations | 54. Research Notes on Certain Species of Alfalfa Insects at Manhattan (1904-1956) and at Ft. Hays (1943-1953) |
| 36. Vine Crop Investigations | 55. Vegetable Investigations |
| 37. Horticultural Investigations on Vegetable and Fruit Crops | 56. Irrigation Studies, 1958-61, Tribune Branch Experiment Station |
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| 39. 1959 Progress Report, Soil Fertility Work (Garden City) Dryland Soil Management | 58. Turfgrass Herbicides |
| 40. Kansas Forage Performance Tests under Irrigation, 1959 | 59. Kansas Garden Chrysanthemum Trials |
| 41. Spring Field Day, 1960. Colby Branch Experiment Station | 60. 1961 Experiment Station Results with Soybeans, Forage Sorghums, Sudangrass, Millet, Popcorn, and Castorbean Varieties |
| 42. Performance of Grass and Legume Varieties in Northeastern Kansas | 61. Forage Crops |
| 43. Fall Field Day, 1960. Garden City Branch Experiment Station | 62. Plant Science Laboratory "Phytobiolab" Growth Chambers |
| 44. Propagating Junipers by Cutting-graft | 63. Garden City Spring Field Day |
| 45. 1960 Results Spring Oats and Spring Barley | 64. 1961 Research Results for Fall Field Day. Colby Branch Experiment Station |
| 46. Vegetable Investigations | 65. LP-Gas Flaming in Crop Production |
| 47. 1960 Trials of Annual Garden Flowers in Kansas | 66. Hay Wafering on Kansas Farms |
| 48. 1960 Results with Soybeans, Forage Sorghums, Sudangrass, Millet, Popcorn, and Castorbean Varieties | 67. Effects of a Fluorocarbon Film on Auger Performance |
| 49. 1960 Kansas Forage Performance Tests under Irrigation | 68. 1962 Vegetable Investigations |
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| 69. | Irrigated Soybean Yields as Affected by Row Width and Seeding Rate | 88. | Kansas Forage Corn and Sorghum Performance Tests |
| 70. | 1962 Experiment Station Results with Varieties of Soybeans, Sudangrass, Millet, Safflower, Castorbeans, Pinto Beans, and Lespedeza | 89. | Kansas Garden Chrysanthemum Trials, 1963 |
| 71. | 1962 Kansas Garden Chrysanthemum Trials | 90. | Beef Feedlot Lighting |
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| 73. | 19th Annual Lamb Feeders' Day | 92. | 1963 Experiment Station Results with Varieties of Soybeans, Sudangrass, Millet, Safflower, Castorbeans, Lespedeza (Plus Date of Planting Studies with Corn and Grain Sorghum) |
| 74. | Lighting the Beef Feed Lot at Night | 93. | Irrigation Water Costs Correlated with Total Pumping Lift |
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| 82. | Field Drying Sorghum Grain Using Chemical and LP Gas Flame | 101. | Kansas Trials of Annual Garden Flowers |
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| 84. | 1964 Vegetable Crop Investigations | 103. | Investigations of Milk-Fat Lamb Production Practices for Western Kansas |
| 85. | Soil Influence on the Action of Herbicides | 104. | Kansas Forage Corn and Sorghum Performance Tests, 1964 |
| 86. | 30th Lamb Feeders Day | 105. | Tribune Branch Experiment Station Report of Progress |
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| 106. | 1964 Experiment Station Results with Varieties of Soybeans, Sudangrass and Hybrids, Safflower and Castorbeans | 121. | 1966 Report of Crops and Soils Investigations. Mound Valley Experiment Field |
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| 109. | Response of Grain Sorghum Hybrids of Varying Maturity to Planting Date | 124. | Crops and Soils. Southeast Kansas Branch Experiment Station |
| 110. | 1965 Experiment Station Results with Small Grain Varieties. Winter Wheat, Winter Barley, Winter Oats | 125. | Colby Sheep Experiments, 1967 |
| 111. | 1965 Vegetable Investigations | 126. | Miscellaneous Experiment Station Tests with Spring-Planted Field Crops. Soybeans, Corn, Grain Sorghum, Forage Sorghum, Sudangrass, Castorbeans, Sugar Beets |
| 112. | Lamb Feeding Experiments, 1965-66 | 127. | Results of Kansas Forage Corn and Sorghum Performance Tests, 1967 |
| 113. | Colby Sheep Experiments, 1966 | 128. | 1967 Report of Research. Colby Branch Experiment Station |
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| 118. | 1966 Report of Research Results. Colby Branch Experiment Station | 133. | Colby Sheep Experiments, 1968 |
| 119. | How to Determine Relative Profitability in Selected Enterprises on Irrigated, Western Kansas Land | 134. | 1968 Report on Miscellaneous Experiment Station Tests with Spring-Planted Field Crops. Soybeans, Corn, Grain Sorghum Forage Sorghum, Sudangrass, Sugar Beets |
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| 136. | Results of Kansas Forage Corn and Sorghum Performance Tests, 1968 | 153. | Animal Science Progress Report for 1969 |
| 137. | Plant and Soil Science Research Results. Southeast Kansas Branch Experiment Station | 154. | Winter Irrigation of Sorghums |
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| 140. | Animal Environmental Chamber | 157. | 1969 Specialty Crop Investigations in Southwest Kansas |
| 141. | Animal Science Progress Report for 1968 (SEK) | 158. | Colby Sheep Experiments, 1970 |
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| 145. | Results of Kansas Forage Corn and Sorghum Performance, 1969 | 162. | 1970 Report on Research Results. Colby Branch Experiment Station |
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| 147. | 1969 Report of Research Results. Colby Branch Experiment Station | 164. | 1970 Report on Experiment Station Variety Tests with Fall-Planted Small Grains. Winter Wheat, Winter Barley, Winter Oats, Winter Rye, and Winter Triticale |
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| 170. | Migration in Kansas | 188. | Controlling Wild Hemp |
| 171. | Results of Forage Sorghum Performance Tests, 1971 | 189. | Sheep Research, 1972 |
| 172. | Colby Sheep Experiments, 1971 | UNN | 1971 Vegetable Investigations in Eastern Kansas |
| 173. | Sheep Research, 1917 | 190. | 1972 Report on Research Results. Colby Branch Experiment Station |
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| 175. | Horticultural Crops Research at Garden City | 191. | Plant and Soil Science Research Results. Southeast Kansas Branch Experiment Station |
| 176. | Beef Empire Research Report | 192. | 1972 Report on Experiment Station Variety Tests with Fall-Planted Small Grains. Winter Wheat, Winter Barley, Winter Oats, Winter Rye, Winter Triticale |
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| 178. | Beef Feedlot Illumination Design and Benefits | 194. | Kansas Fertilizer Research Report of Progress, 1972 |
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| 180. | 1971 Report on Experiment Station Variety Tests with Fall-Planted Small Grains. Winter Wheat, Winter Barley, Winter Oats, Winter Rye, Winter Triticale | 196. | 1972 Kansas Soybean Variety Tests |
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| 185. | Results of 1971 Kansas Forage Sorghum Performance Tests | 199. | Results of 1972 Kansas Forage Sorghum Performance Tests |
| 186. | Colby Sheep Day--Research Reports and Sheep Management Programs | 200. | 1973 Report of Research Results. Colby Branch Experiment Station |
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201.	Plant and Soil Science Research Results, 1973. Southeast Kansas Branch Experiment Station	UNN	1973 Vegetable Investigations
202.	Kansas Fertilizer Research Report of Progress, 1973	219.	1974 Kansas Performance Tests with Fall-Planted Small Grains. Winter Wheat, Winter Barley, Winter Oats, Triticale
203.	1973 Swine Industry Day	220.	1974 Crop Research Summary Report. Tribune Branch Experiment Station
204.	Beef and Dairy Cattle Investigations in Southeastern Kansas, 1972-73	221.	Swine Industry Day, 1974
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210.	61st Annual Cattlemen's Day, 1974	227.	1974 Kansas Soybean Performance Tests
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| 145. | Economies of Scale in Farm Cattle Feedlots of Kansas--An Analysis of Non-feed Costs | | |
| 146. | The Forebrain of the Deermouse in Sterotaxic Coordinates | | |
| 147. | Crop Production and Its Stability in Kansas, 1941-1960 | | |
- Note: See next page for Research Publications, which continues this numerical series.

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162. The Wheat Curl Mite, *Aceria tulipae* Keifer, in Relation to Epidemiology and Control of Wheat Streak Mosaic, 26 pp.
163. Interrelations of Honeybee Preference of Alfalfa Clones and Flower Color, Aroma, Nectar Volume, and Sugar Concentrations, September, 1971, 16 pp.
164. Stubble Requirements in Field Strips to Trap Windblown Soil, June 1973, 232 pp.
165. Railroad Rate Discrimination: Applications to Great Plains Agriculture, 1973, 23 pp.
166. Frozen Meat - Its Distribution Costs, Acceptance, and Cooking and Eating Qualities, July, 1975, 80 pp.
167. Grain Cooperatives: Their Growth and Structural Changes, August, 1973, 28 pp.
168. Notes on, and Rediscussions of, Types of South American Bombyliidae (Diptera) in European and United States Museums, February, 1974, 323 pp.
169. How Management and Land Expansion Affect Low-income Farms, July, 1975, 23 pp.
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171. Community Staying Power: A Small Rural Place and Its Role in Rural Development, February, 1977, 65 pp.
172. Profitability of Small-scale Fuel-alcohol Production, March, 1981, 29 pp.

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