

Publications
of the
**Kansas Agricultural
Experiment Station
1888 to 2004**

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. |
| 63. | Experiments with Oats, C.C. Georgeson, F.C. Burtis, D.H. Otis, 14 pp. | 80. | Kansas Weeds VI. Distribution and Other Notes, A.S. Hitchcock, G.L. Clothier, 52 pp. |
| 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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| 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 | | |
| 67. | The Cultivated Catalpas | | |
| 68. | The Buffalo Tree-Hopper | | |
| 69. | The Cultivated Millets | | |
| 70. | Botanical Notes on Wheat and Spelt | | |
| 100. | Soybeans in Kansas in 1900, H.M. Cottrell, D.H. Otis, J. G. Haney, 53 pp. | 117. | Bacteria of the Soil, N.S. Mayo, A.T. Kinsley, 19 pp. |
| 101. | Notes from the Plum Orchard, 1901, E.A. Popenoe, A. Dickens, 44 pp. | 118. | Flesh and Fat in Beef, D.H. Otis, 28 pp. |
| 102. | Forage Plants for Kansas, A.S. Hitchcock, J.M. Westgate, 58 pp. | 119. | Press Bulletins Nos. 71-124 |
| 103. | Digestion Experiments with Kansas Feeds. Sugar Beets in Kansas 1891 to 1900, J.T. Willard, R.W. Clothier, 34 pp. | 71. | Experience in Soiling and Pasturing Cows, 1899 |
| 104. | Fall Seeding of Alfalfa, H.M. Cottrell, 6 pp. | 72. | Fattening Steers without Hogs |
| 105. | Blackleg in Kansas, P. Fischer, A. Kinsley, 23 p. | 73. | Cultivated Blue-grasses |
| 106. | The Experimental Apple Orchard, 1902, A. Dickens, G. O. Greene, 27 pp. | 74. | Some Interesting Climbers for the Veranda |
| 107. | Analysis of Corn, with Reference to Its Improvement, J.T. Willard, R.W. Clothier, F.C. Weber, 42 pp. | 75. | The Races of Corn |
| 108. | The Hardy Catalpa, H.F. Roberts, 82 pp. | 76. | Sugar Beets in Kansas, 1900 |
| 109. | Spontaneous Combustion of Alfalfa, H.M. Cottrell 6 pp. | 77. | Honeysuckles at the Kansas Station |
| 110. | Grapes, A. Dickens, G. O. Greene, 30 pp. | 78. | Johnson Grass |
| 111. | Quality in Beef, H.M. Cottrell, 24 pp. | 79. | A Digestion Experiment with Buffalo-grass Hay |
| 112. | Fattening Steers without Hogs to Follow, H.M. Cottrell, J.G. Haney, 12 pp. | 80. | Notes on Plums |
| | | 81. | Soybeans in Kansas in 1900 |
| | | 82. | Disking Alfalfa |
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| | | 87. | When to Cut Alfalfa |
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| | | 89. | Shelled Corn Compared with Corn Chop for Young Calves |
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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
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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 |
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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 |
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| 147. | Kansas Experiment Station Egg-Laying Contest | 158. | Analyses of Registered Feeding Stuffs |
| 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 |
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| 151. | Baby Beef Production with Western Feeds | 162. | The Marketing of Eggs, 16 pp. |
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| 138. | Effect of Bacteria in Wash-water of Butter, 10 p. | 164. | Selection and Feeding of Laying Hens, 17 p. |
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| 141. | Commercial Seeds of Brome Grass and of English and Kentucky Blue Grass. Adulterants and Substitutes, and Their Detection | | |
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| 144. | Small Grain Crops | | |
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| 181. | State Dairy Commissioners Bulletin No. 2 | 202. | Kansas Flours: Chemical, Baking and Storage Tests |
| 182. | Vaccination against Hog Cholera | 203. | Orchard Spraying, 1915, 44 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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| <ol style="list-style-type: none"> 1. Treating Seed Corn to Protect It from Burrowing Animals, 1909 4 p. 2. Preparing Land for Winter Wheat, 4 p. 3. Improved Seed Wheat, 12 p. 4. Prairie Dog Situation, 7 p. 5. Chinch Bug, 6 p. 6. Variety Tests, 1910, 6 p. 7. Corn Ear Worm, 4 p. 8. Investigation of the Vitality of Kansas Seed Corn, 4 p. 9. Rabies - Hydrophobia, 1910, 4 p. 10. Provisions of the State Forest Law, 4 p. 11. The Relation of Size, Weight, and Density of Kernel to Germination in Wheat, 8p. 12. Treatment of Seed Wheat for Smut, 6 p. 13. How to Grow Black Walnuts, 3 p. 14. Contagious Abortion, 3 p. 15. Spraying Apples, 8 p. 16. Burning Chinch Bugs, 7 p. 17. Protecting Trees from Rabbits, 1911, 4 p. 18. The Kansas Feeding Stuffs Law (Rev. from 1911), 7 p. 19. Burn the Chinch Bug in Winter Quarters, 8 p. 20. The Hardy Catalpa, 20 p. 21. Better Butter for Kansas. The Relations between the Quality of Butter and Prices Paid for Butter Fat, 4 p. | <ol style="list-style-type: none"> 22. The Condition of Kansas Seed Corn, 3 p. 23. The Stallion Law and the Farmer, 4 p. 24. Better Butter for Kansas. How Dirt and Bacteria Get into Cream and the Effect They Have on Butter-Fat Prices, 4 p. 25. The Sorghum Crop in Kansas, 4 p. 26. Navel Ill, 3 p. 27. Capons for Kansas, 14 p., photots 28. Sorghum Crops for Silage, 6 p. 29. Chinch Bug Situation in Kansas, 8 p. 30. Kansas Feeding Stuffs Law, 1913, 6 p. + 7 p. app. 31. Seed Corn for Kansas, 1914, 4 p. 32. Burn the Chinch Bug in Winter Quarters, 7 p. 33. The Chinese Arbor Vitae, 6 p. 34. Sweet Clover, 6 p. 35. Report of the Dickinson County Cow Testing Association, 1914, 8 p. 36. Preparation of Exhibits for Fairs & Contests 37. The Hessian Fly Situation in Kansas, 4 p. 38. Kansas Feeding Stuffs Law Rev. of 1913, 7 p. 39. Cream Grading for Kansas, 4 p. 40. Suggestions that Will Assist in the Prevention and Control of Hog Cholera, 1914, 3 p. 41. Antinomycosis or Lumpy Jaw, 3 p. 42. Which Stallion and Why?, 5 p. 43. The Pocket Gopher, 4 p. |
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| 44. Sweet Clover, 10 p. | 66. Spraying Fruit Trees, 1918, 8 p. |
| 45. Dairy Farming, 1915, 26 p., ill. | 67. Pedigreeing Poultry, 16 p., ill. |
| 46. Spring Canker Worm Situation in Kansas, 7 p. | 68. Another Strain of <i>Puccinia graminis</i> , 4 p. |
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| 59. A Preliminary Report on Two New Methods of Preventing Blackleg 1917, 7 pp. | 81. Suggestions Regarding Dairying in Northwestern Kansas, 1920, 16 p., ill. |
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| 64. The Home Vegetable Garden, 1918, 8 p. | 86. Cattle Feeding Investigations, 1919-20, 11 p. |
| 65. Insects and Plant Diseases Attacking Garden Crops, 1918, 12 p. | 87. Summer Control of the Chinch Bug, 8 p. |

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| 104. A Simplified Method of Standardizing the Ice Cream Mix, 12 p. | 125. Spraying Fruit Plants, 1926, 15 p. |
| 105. Silage Feeding Investigations, 1922-23, 10 p. | 126. Rabies -- Hydrophobia--Dog Madness, 6 p. |
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| 108. Some Lamb Feeding Results Secured by the Kansas Agricultural Experiment Station, 8 p. | 129. Economic Plant Diseases Common in Kansas and Their Control, 23 p. |

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| 143. Cattle Feeding Investigations, 1925-27, 13 p. | 163. Korean Lespedeza, 1932, 7 p. |
| 144. The Taxation System of Kansas, 1929, 24 p. | 164. Infectious Abortion of Cattle, 11 p. |
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| 171. Information Regarding Recent Publications (Abstracts of Bulletins 257-264 and Circulars 166-170), 1933, 3 p. | 191. Flax Production in Kansas, 1938, 14 p. |
| 172. Growing Tomatoes in Kansas, 1933, 15 p. | 192. Trend of Real Estate Taxation in Kansas, 1910-35, 22 p. |
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| 174. Commercial Fertilizers for Potatoes in the Kansas River Valley, 1935, 12 p. | 194. Roadside Marketing of Horticultural Products in Kansas, 27 p. |
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| 176. Cleaning and Sterilizing Dairy Farm Utensils, | 196. Hybrid Corn in Kansas. 1939, 19 p. |
| 177. Grape Growing in Kansas, 1935, 32 p. | 197. Pruning Fruit Plants, 27 p. |
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| 184. House Plants and Their Care, 16 p. | 204. Growing Bush Fruits in Kansas, 30 p. |
| 185. Liming Kansas Soils, 26 p. | 205. List of Publications (list only), 1941, 4 p. |
| 186. Tax Delinquency on Farm Real Estate in Kansas, 1928 to 1933, 1937, 12 p. | 206. Tame Pastures in Kansas, 28 p. |
| 187. Swine Feeding Investigations, 1926-30, 14 p. | 207. Swine Feeding Investigations, 1936-40, 20 p. |
| 188. Swine Feeding Investigations, 1930-35, 26 p. | 208. Re-establishing Native Grasses by the Hay Method, 16 p. |
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| 213. Stock-share Lease, 1942, 39 p. | 235. Combating Fruit Pests in Kansas |
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| 223. Swine Feeding Investigations, 1930-35, 24 p. | 245. Kansas Rural Institutions IV. Fifty Years of Mutual Insurance |
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| 7. | Analyses of Inspection Samples of Fertilizers, 1917 | 17. | The Enforcement of the Kansas Live Stock Remedy Law |
| 8. | Kansas State Live Stock Registry Board | 18. | Fertilizer Control in 1921 |
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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
34. Effect of Soil-moisture Depletion on Corn Production

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| 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 |
| 52. Perennial Ryegrass for Turf in Kansas | |
| 53. Kentucky Bluegrasses for Turf | |

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| 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 |
| 79. Effectiveness of Paraquat as Influenced by Carrier Volume and Climatic Conditions 6/84 | 96. Raw Soybeans in the Diets of Sheep |
| 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 |
| 84. Chemical Control of the Alfalfa Weevil 3/85 | 101. Influence of Seed Size on Winter Wheat Performance Tests 4/91 |
| 85. Disease Reaction of Sorghum Hybrids to Infection by Maize Dwarf Mosaic Virus Strains A and B | 102. Winter Wheat Performance Following Seed Treatment in South Central Kansas 12/91 |
| 86. Performance Test of Birdsfoot Trefoil in Eastern Kansas | 103. Days Suitable for Field Work in Kansas 2/92 |
| 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 |
| 88. Fall-Applied Herbicides for Eliminating Endophyte-infested Fescue | |

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| 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. |
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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 |
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| 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 |
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| 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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| 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 |
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| 38. Garden City Fall Field Day Report | 57. Silo Unloaders for Horizontal Silos |
| 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 |
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| 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 |
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| 50. An Automatic Feed Weigher | |

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| 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 |
| 72. | Power Required for Vertical Silo Unloader Components | 91. | Influence of Date of Planting and Row Width on Shelby, Clark and Kent Soybeans, 1962-63 |
| 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 |
| 75. | Investigations of Milk-Fat Lamb Production Practices for Western Kansas | 94. | 1963 Research Results. Colby Branch Experiment Station |
| 76. | Kansas Corn and Forage Performance Tests | 95. | Small Grains |
| 77. | Kansas Trials of Annual Garden Flowers | 96. | 1964 Vegetable Investigations |
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| 79. | Soil Fertility Investigations in Southwestern Kansas | 98. | Not used |
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| 81. | Garden City Branch Station Spring Field Day | 100. | 31st Annual Lamb Feeders' Day |
| 82. | Field Drying Sorghum Grain Using Chemical and LP Gas Flame | 101. | Kansas Trials of Annual Garden Flowers |
| 83. | Flame Cultivation of Corn and Grain Sorghum | 102. | Flaming for Weed Control and Desiccation |
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| 85. | Soil Influence on the Action of Herbicides | 104. | Kansas Forage Corn and Sorghum Performance Tests, 1964 |
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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 |
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| 171. | Results of Forage Sorghum Performance Tests, 1971 | 189. | Sheep Research, 1972 |
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| 178. | Beef Feedlot Illumination Design and Benefits | 194. | Kansas Fertilizer Research Report of Progress, 1972 |
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| 186. | Colby Sheep Day--Research Reports and Sheep Management Programs | 200. | 1973 Report of Research Results. Colby Branch Experiment Station |
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203.	1973 Swine Industry Day	220.	1974 Crop Research Summary Report. Tribune Branch Experiment Station
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205.	Chemical Weed Control in Field Crops, 1974	222.	Chemical Weed Control in Field Crops
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209.	1973 Kansas Grain Sorghum Performance Tests	226.	Pesticide Residues in Tailwater Pits, Haskell County, Kansas, 1973
210.	61st Annual Cattlemen's Day, 1974	227.	1974 Kansas Soybean Performance Tests
211.	Proceedings of 2nd Annual Wheat Marketing Field Day for Kansas Wheat Producers, March 7, 1974	228.	1974 Kansas Corn Performance Tests
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| 242. | Newton Experiment Field. Field Day 1975 | 259. | 1975 Kansas Sorghum Performance Tests. Grain and Forage |
| 243. | Cattle Feeders' Day, 1975. Garden City Branch Experiment Station | 260. | 1975 Vegetable Investigations |
| 244. | Bluestem Range Management Clinic | 261. | Colby Sheep Day |
| 245. | North Central Experiment Field, Belleville. Fall Field Day | 262. | Buffalo to Beef. Cattlemen's Day, 1976 |
| 246. | Kansas River Valley Irrigation Field, Rossville, Topeka. Fall Field Day | 263. | Sheep Day, 1976 |
| 247. | Cornbelt Experiment Field, Powhattan. Fall Field Day | 264. | Proceedings of the 4th Annual Wheat Marketing Field Day for Kansas Wheat Producers |
| 248. | East Central Experiment Field, Ottawa. Fall Field Day | 265. | 26th Annual Report Hard Winter Wheat Quality Council |
| 249. | Grain Marketing Practices in Kansas | 266. | Beef Cattle Feeding Investigations, Roundup 63. Fort Hays Branch Experiment Station, April 23, 1976, 32 pp. |
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| 251. | 1975 Kansas Performance Tests with Fall-Planted Small Grains | 268. | Symposium: Yellow Hard Winter Wheat, A Market Sub-Class Designation |
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273.	1976 Cattle Feeders' Day. Garden City Branch Experiment Station	291.	Cattlemen's Day 1977. What's Ahead for Cattlemen?
274.	Plant and Soil Science Research Results 1974-75. Southeast Kansas Branch Experiment Station	292.	1976 Kansas Sorghum Performance Tests. Grain and Forage
275.	Dairy Science Investigations. Southeast Kansas Branch Experiment Station	293.	1977 Colby Sheep Day
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| 145. Economies of Scale in Farm Cattle Feedlots of Kansas--An Analysis of Non-feed Costs | 159. Selecting Representative Firms in Linear Programming |
| 146. The Forebrain of the Deermouse in Sterotaxic Coordinates | 160. Efficiency and Size Considerations on Beef Farms in Eastern Kansas 1960-64 |
| 147. Crop Production and Its Stability in Kansas, 1941-1960 | 161. Factors Influencing the Predicted Lime Requirement of Kansas Soils |

Note: See next page for Research Publications, which continues this numerical series.

Research Publications

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.
170. Sampling and Analysis of Soils, Plants, Waste Waters, and Sludge Suggested Standardization and Methodology (NCR Pub. 230), October, 1976, 22 pp.
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.

Miscellaneous Publications and Reports

Agriculture and the Kansas Economy, Department Report, April 1994, 24 pp.

Guidelines for Release of Horticultural and Agronomic Varieties and Germ Plasm Developed by the Kansas Agricultural Experiment Station, Department Report, October, 1994, 10 pp.

Health Education Developments in Kansas: A Report to the Kansas Legislature by the Kansas Cooperative Extension Service, Special Publication, January, 1995, 10 pp.

Agriculture and the Kansas Economy: Examples of Potential Economic Enhancement, an informal report to the Kansas Legislature by the College of Agriculture, Kansas Agricultural Experiment Station and the Kansas Cooperative Extension Service, January, 1995, 36 pp.

Adding Value to Kansas Agricultural Products: Selected Examples—Products, Processes, and Potential, an informal report to the Kansas Legislature by the Kansas Agricultural Experiment Station and the Kansas Cooperative Extension Service, January, 1996, 36 pp.

Promoting Conservation and Protecting the Environment, an informal report to the Kansas Legislature by the Kansas State University Agricultural Experiment Station and Cooperative Extension Service, (SM2), January, 1997, 30 pp.

