

Illinois Agricultural Experiment Station

BULLETINS

(1888)

1. (The Station; its origin; organization and regulations; fields of investigations; plans for immediate work) 14 pp.
2. Ensilage. Hunt. 12 pp.
3. Field experiments in cats, 1888; Germination of grass and clover seeds. Morrow and Hunt. 12 pp.

(1889)

4. Field experiments with corn, 1888 (Morrow and Hunt). Garden experiments with sweet corn, 1888 (Burrill and McCluer). 104 pp.
5. Grasses and clovers; effect of ripeness on yield and composition. Hunt. 24 pp.
6. A bacterial disease of corn. Burrill. 12 pp.
7. The biology of ensilage (Burrill). Filed experiments with cats, 1889 (Hunt). 37 pp.

(1890)

8. Field experiments with corn, 1889. Hunt and Morrow. Garden experiments with sweet corn, 1889. Burrill and McCluer. 75 pp.
9. Milk and butter tests. Morrow. Milk tests. Manns. The comparative value of corn-fodder and ensilage in feeding yearling heifers. Farrington. Value of pasture, and of grain rotation with pasture, for young cattle. Morrow. Experiments in progress, May, 1890. 40 pp.
10. Investigations of "milk tests." Farrington. 8 pp.
11. Experiments with wheat. Hunt. 16 pp.
12. Field experiments with cats, 1890 (Morrow and Hunt). Milk and butter tests (Morrow). Cream raising by dilution (Morrow and Farrington). The Hessian fly (Forbes). Canada thistles, their extermination (Burrill). 36 pp.

(1891)

13. Field experiments with corn, 1890. Morrow and Hunt. Garden experiments with sweet corn, 1890; Pop corn, tests of varieties. Burrill and McCluer. Growth and increase of dry matter in corn. Weight of ear corn per bushel of shelled corn. Morrow. 64 pp.
14. Milk tests: Methods of testing milk (chemical analysis of "germ meal" and of "cat dust feed"). Farrington. 16 pp.

15. The fruit bark beetle. Forbes. Experiments with grass seeds, and with grasses and clovers. Morrow and Hunt. Use of fungicides upon the apple, the potato, and the grape. Burrill and McCluer. 28 pp.
16. Experiments in pig feeding. Morrow. Composite milk samples tested for butter fat. Farrington. 19 pp.
17. Experiments with wheat, 1890-91. Morrow. Daily variation in the milk and butter production of cows. Farrington. 16 pp.
18. Dairying experiments. Farrington. 16 pp.

(1892)

19. Experiments with oats, 1891. Morrow and Gardner. The chinch bug in Illinois, 1891-92. Forbes. 16 pp.
20. Field experiments with corn, 1891. Morrow and Gardner. 24 pp.
21. Horticulture; a general report. Burrill and McCluer. Corn crossing. McCluer. Sweet corn, thickness of planting, 1891. McCluer. The late season and the corn crop. Morrow. 32 pp.
22. Experiments with wheat 1891-92. Morrow and Gardner. 16 pp.
23. Experiments with oats, 1892. Morrow and Gardner. 16 pp.

(1893)

24. Variations in milk. Farrington. 36 pp.
25. Field experiments with corn, 1892. Morrow and Gardner. 32 pp.
26. The forest tree plantation. Burrill and McCluer. 40 pp.
27. Some new points in the manipulation of the Babcock milk test. Farrington. 4 pp.
28. Grapes, test of varieties. A grape disease. Grapes, method of training. McCluer. 24 pp.
29. Orange rust of raspberry and blackberry. Clinton. A new factor in economic agriculture (symbiosis). Schneider. (note by Burrill). 48 pp.

(1894)

30. Blackberries and raspberries, variety tests, and management. McCluer. 12 pp.
31. Corn and oats experiments, 1893. Morrow and Gardner. Rate of growth and chemical composition of the corn plant. Farrington. Experiment with oats, 1893, Morrow and Gardner. 56 pp.
32. An acid test of cream. Farrington. 8 pp.
33. The cinch bug in southern Illinois--1894. Forbes. Alkaline tablets for testing the acidity of cream. Farrington. Certifies test of dairy cows. Morrow. 4 pp.

- 34. Experiments with wheat, 1893-94. Experiments with oats, 1894. Morrow and Gardner. Meteorological records. Morrow. 24 pp.
- 35. The Russian thistle in Illinois. Morrow. 4 pp., illus.
- 36. Stock feeding in Illinois. Morrow. 11 pp.

(1895)

- 37. Corn experiments, 1894. Gardner. 24 pp.
- 38. Experiments with the muscardine disease of the chinch bug, and with the trap and barrier method for the destruction of that insect. Forbes. 64 pp.
- 39. The Russian thistle and some plants that are mistaken for it. Clinton. 32 pp.
- 40. Potatoes, experiments of 1892-3-4, with statement of some results obtained at other stations. McCluer. Fungous disease of the potato. An experiment to prevent scab and leaf blight of potatoes. Clinton. 28 pp.

(1896)

- 41. Experiments with wheat, 1888-95. Experiments with oats, 1888-95. Davenport and Fraser. 16 pp.
- 42. Corn experiments, 1895. Davenport and Fraser. 18 pp.
- 43. Composition and digestibility of corn ensilage, cow peat ensilage, soja bean ensilage, and corn-fodder. Appendix: constituents and uses of food. Hopkins. 28 pp.
- 44. Insect injuries to the seed and root of Indian corn. Forbes. 88 pp.
- 45. Varieties of apples. Burrill and McCluer. 52 pp.

(1897)

- 46. Experiments with corn, 1896. Fraser. Crimson clover. On the improvement of retentive clays; drainage of the so-called "hard pan" lands of souther Illinois. On the importance of the physiological requirements of the animal body; results of an attempt to grow cattle without coarse feed. Davenport. 24 pp.
 - a. Special bulletin. Smuts and their prevention. Clinton. March, 1897. 4 pp.
- 47. Broom-corn smut. Clinton. 40 pp., illus.
- 48. The San Jose scale in Illinois. Forbes. 16 pp.

(1898)

- 49. The sugar beet in Illinois. Holden and Hopkins. 58 pp.
- 50. The cost of production of corn and oats in Illinois in 1896. Weston. 24 pp.
- 51. Variations in milk and milk production. Davenport and Fraser. 28 pp.
- 52. Orchard cultivation. Burrill and Blair. 24 pp.

53. The chemistry of the corn kernel. Hopkins. 52 pp.

(1899)

54. Spraying apple trees, with special reference to apple scab fungus. Blair. 24 pp.
55. Improvement in the chemical composition of the corn kernel. Hopkins. 36 pp.
56. Recent work on the San Jose scale in Illinois. Forbes. 48 pp.

(1900)

57. The smuts of Illinois' agricultural plants. Clinton. 72 pp.
58. Composition and digestibility of corn-fodder and corn stover. Hopkins. 10 pp.
59. Orchard management. Blair. 26 pp.
60. The economic entomology of the sugar beet. Forbes and Hart. 136 pp.

(1901)

61. The farmer's vegetable garden. Lloyd. 16 pp.
62. The market classes of horses. Davenport. 12 pp.
63. Seed corn and some standard varieties for Illinois. Shamel. 28 pp.
64. Treatment of oats for smut. Shame. 16 pp.
65. Construction and care of earth roads. Baker. 24 pp.
66. Individual difference in the value of dairy cows. Fraser. 16 pp.
67. Apples scab. Clinton. 48 pp.

(1902)

68. Important details of spraying. Stubenrauch. 32 pp.
69. Apple roots in Illinois. Clinton. 36 pp.
70. Canker of apple trees. Hasslebring. 16 pp.
71. Experiments with insecticides for the San Jose scale. Forbes. 24 pp.
72. Additional insecticide experiments for the San Jose scale. Forbes. 4 pp.
73. Comparison of silage and shock corn for wintering calves intended for beef production. Mumford. 16 pp.
74. Standard milk and cream. Fraser. 16 pp.
75. Standardization of milk and cream. Erf. 16 pp.
76. Alfalfa on Illinois soil. Hopkins. 40 pp. (Abst. 8 pp.)
77. Bitter rot of apples. Burrill and Blair. 16 pp.
78. Market classes and grades of cattle with suggestions for interpreting market quotations. Mumford. 68 pp.
79. The corn bill-bugs in Illinois. Forbes. 28 pp.

80. Methods and results of field insecticide work against the San Jose scale, 1899-1902. Forbes. 40 pp.
81. Forcing tomatoes. Beal. 24 pp.
82. Methods of corn breeding. Hopkins. 16 pp.

(1903)

83. Feeds supplementary to corn for fattening steers. Mumford. 36 pp.
84. Dairy conditions and suggestions for their improvement. Fraser. 56 pp.
85. Records of individual cows on dairy farms. Glover, 44 pp.
86. Climate of Illinois. Mosier. 32 pp.
87. The structure of the corn kernel and the composition of its different parts. Hopkins, Smith, and East. 36 pp.
88. Soil treatment for wheat in rotation, with special reference to southern Illinois soils. Hopkins. 32 pp. (Abst. 2 pp.)
89. Notes on the insecticide use of the gasoline blast lamp. Forbes. 12 pp. (Abst. 2 pp.)
90. Fattening steers of the various market grades. Mumford. 64 pp.
91. Preventing contamination of milk. Fraser. 32 pp.
92. City milk supply. Fraser. 24 pp.

(1904)

93. Soil treatment for peaty swamp lands, including reference to sand and "alkali" soils. Hopkins. 32 pp.
94. Nitrogen bacteria and legumes. Hopkins. 24 pp.
95. The more important insect injuries to Indian corn. Forbes. 72 pp.
96. The testing of corn for seed. Hume. 20 pp.
97. Market classes and grades of swine. Dietrich. 48 pp.

(1905)

98. The curculio and the apple. Crandall. 96 pp.
99. Soil treatment for the lower Illinois glaciation. Hopkins and Readhimer. 40 pp.
100. Directions for the breeding of corn, including methods for the prevention of in-breeding. Hopkins, Smith, and East. 28 pp.
101. Crops for the silo, cost of filling, and effect of silage on the flavor of milk. Fraser. 20 pp.
102. The construction of silos. Fraser. 44 pp.
103. Comparison of methods of preparing corn and clover hay for fattening steers. Mumford. 56 pp.

104. Field experiments and observations on insects injurious to Indian corn. Forbes. 60 pp. (Abst. 8 pp.)

(1906)

105. The farmer's vegetable garden. Lloyd. 56 pp.
 106. Spraying apples. Relative merits of liquid and dust applications. Crandall. 40 pp.
 107. Comparative experiments with various insecticides for the San Jose scale. Forbes. 24 pp. (Abst. 3 pp.)
 108. Spraying apples for the plum-curculio. Forbes. 24 pp. (Abst. 4 pp.)
 109. The location, construction and operation of hog houses. Dietrich. 20 pp.
 110. Storage barn, sheds, feed lots and other equipment for feeding experimental cattle in car load lots. Mumford and Good. 24 pp.
 111. Maintenance rations for beef breeding cows. Mumford. 20 pp.

(1907)

112. The cottony maple scale in Illinois. Forbes. 26 pp. (Abst. 2 pp.)
 113. The shrinkage of ear corn in cribs. Hume and Center. 20 pp.
 114. Spraying for the codling moth. Lloyd. 56 pp.
 115. Soil improvement for the worn hill lands of Illinois. Hopkins and Readhimer. 16 pp.
 116. On the life history, habits, and economic relations of the white-grubs and May-beetles. Forbes. 44 pp.
 117. Bitter rot of apples. Horticultural investigations. Blair. 72 pp.
 118. Bitter rot of apples. Botanical investigations. Burrill. 56 pp.
 119. Type and variability in corn. Davenport and Rietz. 40 pp.
 120. Milk supply of Chicago and twenty-six other cities. Trueman. 32 pp.

(1908)

121. Variety tests of wheat. Hume, Center, and Hegnauer. 24 pp.
 122. Market classes and grades of horses and mules. Obrecht. 100 pp.
 123. The fertility in Illinois soils. Hopkins and Pettit. 112 pp. (Contains general survey soil map of Illinois.)
 124. Marketing the muskmelon. Lloyd. 32 pp.
 125. Thirty years of crop rotations on the common prairie soil of Illinois. Hopkins, Readhimer, and Eckhardt. 36 pp.
 126. Distance between hills for corn in the Illinois corn belt. Hume, Center, and Hegnauer. 20 pp.

- 127. A study of the factors influencing the improvement of the potato. East. 84 pp. (Abst. 4 pp.)
- 128. Ten generations of corn breeding. Smith. 124 pp. (Abst. 38 pp.)
- 129. Market classes and grades of sheep. Coffey. 64 pp.
- 130. Experiments with repellents against the corn root-aphis, 1905 and 1906. Forbes. 28 pp.
- 131. Habits and behavior of the corn-field ant, Lasius niger americanus. Forbes. 20 pp.

(1909)

- 132. The effect of selection upon certain physical characters in the corn plant. Smith. 16 pp.
- 133. Ear rots of corn. Burrill and Barrett. 48 pp.
- 134. The insect pests of clover and alfalfa. Folsom. 88 pp., illus.
- 135. Bordeaux mixture. Crandall. 98 pp. (Abst. 11 pp.)
- 136. Methods of seeding oats, drilling and broadcasting. Hume, Center, and Hegnauer. 16 pp.
- 137. A study of factors influencing the composition of butter. Lee, Hepburn, and Barnhart. 56 pp.
- 138. Pasteurization as a factor in making butter from cream skimmed on the farm. Lee. 72 pp.
- 139. Composition of market butter. Lee and Barnhart. 20 pp.
- 140. Dairy suggestions from European conditions as seen in the British Isles, Holland and Denmark. Fraser and Brand. 64 pp.
- 141. Relative efficiency of different rations for fleshing horses for market. Obrecht. 40 pp.
- 142. Short fed steers: a comparison of methods of feeding. Mumford and Allison. 16 pp.

(1910)

- 143. Economy of the round dairy barn. Fraser. 48 pp.
- 144. Growing tomatoes for early market. Lloyd and Brooks. 48 pp.
- 145. Quantitative relationships of carbon, phosphorus, and nitrogen in soils. Stewart. 40 pp.
- 146. Alfalfa hay vs. timothy hay, and alfalfa hay vs. bran for dairy cows. Fraser and Hayden. 16 pp.
- 147. Market classes and grades of meat. Hall. 148 pp. (Abst. 16 pp.)
- 148. On the measurement of correlation with special reference to some characters of Indian corn. Rietz and Smith. 28 pp. (Abst. 8 pp.)

(1911)

- 149. Tuberculosis of farm animals. Briscoe and MacNeal. 120 pp. (Abst. 8 pp.)
- 150. Feeding farm work horses. Obrecht. 32 pp.
- 151. Some important insects of Illinois shade trees and shrubs. Forbes. 72 pp.

152. Contagious abortion of cows. MacNeal in cooperation with Mumford. 16 pp. (Abst. 4 pp.)

(1912)

153. Comparison of methods of sampling cream for testing. Lee and Hepburn. 32 pp. (Abst. 4 pp.)
154. What is the matter with the elms in Illinois? Forbes. 24 pp.
155. Fertilizer experiments with muskmelons. Lloyd. 44 pp. (Abst. 4 pp.)
156. Insects injurious to stored grains and their ground products. Girault. 30 pp.
157. Peat swamp lands; sand and "alkali" soils. Hopkins, Readhimer, and O.S. Fisher. 40 pp.
158. Relative economy, composition and nutritive value of the various cuts of beef. Hall and Emmett. 104 pp.
159. Balanced vs. unbalanced rations for dairy cows. Fraser and Hayden. 12 pp.
160. Official records of pure-bred dairy cows. Hayden. 132 pp.
161. Fate of tubercle bacilli outside the animal body. Briscoe. 100 pp. (Abst. 8 pp.)

(1913)

162. Tuberculosis in the University dairy herd. Hayden. 32 pp.
163. The maintenance requirement of swine. Dietrich. 28 pp. (Abst. 4 pp.)
164. Milk required to raise a dairy calf. Fraser and Brand. 24 pp.
165. The element of uncertainty in the interpretation of feeding experiments. Mitchell and Grindley. 124 pp. (Abst. 8 pp.)

(1914)

166. A review of American investigations on fattening lambs. Bull and Emmett. 50 pp. (Abst. 4 pp.)
167. Proportions of shelled corn and alfalfa hay for fattening western lambs. Coffey. 32 pp.
168. A study of the development of growing pigs. Emmett and Grindley with the cooperation of Joseph and Williams. 54 pp. (Abst. 4 pp.)
169. A study of the ash content of growing pigs. Williams and Emmett. 24 pp. (Abst. 4 pp.)
170. Coefficients of digestibility of some common rations for swine. Dietrich and Grindley. 40 pp.
171. A study of the phosphorus content of growing pigs. Williams and Emmett. 28 pp. (Abst. 4 pp.)
172. A study of the digestibility of rations for steers. Mumford, Grindley, Hall, and Emmett with the collaboration of Joseph and Allison. 54 pp. (Abst. 4 pp.)
173. A study of the forms of nitrogen in growing pigs. Joseph. 32 pp. (Abst. 4 pp.)

174. An efficient and practicable method for controlling melon lice. Durst. 16 pp.
175. Experiments in onion culture. Lloyd. 28 pp. (Abst. 4 pp.)
176. The use of commercial fertilizers in growing carnations. Dorner, Nuncie, and Nehrling. 24 pp. (Abst. 4 pp.)

(1915)

177. Radium as a fertilizer. Hopkins and Sachs. 16 pp.
178. Recent Illinois work on the corn root-aphis and the control of its injuries. Forbes. 64 pp.
179. A biochemical study of nitrogen in certain legumes. Whiting. 76 pp. (Abst. 8 pp.)
180. Observations and experiments on the San Jose scale. Forbes. 20 pp.
181. Soil moisture and tillage for corn. Mosier and Gustafson. 24 pp.
182. Potassium from the soil. Hopkins and Aumer. 12 pp.
183. Prices and shrinkage of farm grains. Burlison and Allyn. 16 pp.
184. Tests with nitrate of soda in the production of early vegetables. Lloyd. 20 pp.

(1916)

185. Field experiments in spraying apple orchards. Under the direction of Blair by Pickett, Watkins, Ruth, Foglesong, and Gunderson. 168 pp. (Abst. 12 pp.)
186. A general survey of the May-beetles (phyllophaga) of Illinois. Forges. 46 pp.
187. The influence of trees and crops on injury by white grubs. Forbes. 8 pp.
188. Methods of fertilizing sweet potatoes. Durst. 12 pp.
189. Parasitic rhizoctonias in America. Peltier. 112 pp. (Abst. 4 pp.)
190. Soil bacteria and phosphates. Hopkins and Whiting. 16 pp.
191. Yields of different varieties of corn in Illinois. Burlison and Allyn. 20 pp.
192. Feeding pure-bred draft fillies. Edmonds. 24 pp.
193. Summary of Illinois soil investigations. Hopkins, Mosier, and Bauer. 36 pp.

(1917)

194. A new limestone tester. Hopkins. 12 pp.
195. Yields of spring grains in Illinois. Burlison and Allyn. 12 pp.
196. The use of commercial fertilizers in growing roses. Muncie. 56 pp. (Abst. 4 pp.)
197. A study of the rate and economy of gains of fattening steers. Mumford, Grindley, Emmett, and Bull. 40 pp.
198. Soybeans and cowpeas in Illinois. Burlison and Allyn. 20 pp.
199. Germ content of milk. I. As influenced by the factors at the barn. Prucha and Weeter. 32 pp.

- 200. Digestion experiments with pigs. Grindley, Carmichael, and Newlin. 42 pp. (Abst. 4 pp.)
- 201. Yields of winter grains in Illinois. Burlison and Allyn. 16 pp.
- 202. Is symbiosis possible between legume bacteria and non-legume plants? Burrill and Hansen. 72 pp. (Abst. 4 pp.)
- 203. Seed production in apples. Crandall. 32 pp. (Abst. 4 pp.)

(1918)

- 204. Germ content of milk. II. As influenced by the utensils. Prucha, Weeter, and Chambers. 44 pp.
- 205. The grasses of Illinois. Mosher. 172 pp.
- 206. Field experiments in spraying apple orchards in 1913 in 1914. Pickett, Watkins, Ruth, and Gunderson. 84 pp. (Abst. 4 pp.)
- 207. Washing of soils and methods of prevention. Mosier and Gustafson. 40 pp.
- 208. Climate of Illinois. Mosier. 128 pp. (Abst. 8 pp.)
- 209. Fertilizing constituents excreted by two-year-old steers. Grindley, Mumford, Emmett, and Bull. 36 pp. (Abst. 8 pp.)
- 210. Field investigations of forage poisoning in cattle and horses. Rust and Grindley. 16 pp.
- 211. Apple-bud selection. Apple seedlings from selected trees. Crandall. 88 pp. (Abst. 4 pp.)

(1919)

- 212. Limestone action on acid soils. Stewart and Wyatt. 32 pp.
- 213. Two Illinois rhubarb diseases. Stevens. 16 pp., illus.
- 214. Spring wheat for Illinois. Burlison and Stark. 8 pp.
- 215. A study of the relative reliability of official tests of dairy cows. Yapp. 20 pp. (Abst. 4 pp.)
- 216. The cost of milk production computed on the year basis. Pearson. 24 pp.
- 217. An apple canker due to *Cytospora*. Stevens. 18 pp.
- 218. The pruning of winter-injuring peach trees. Gunderson. 16 pp.
- 219. Illinois crop yields from soil experiment fields. Hopkins, Garrett, Whitchurch, and Fahrnkopf. 108 pp.
- 220. Black spot of onion sets. Stevens and True. 28 pp.
- 221. Snapdragon rust. Peltier. 16 pp.
- 222. Field experiments in spraying apple orchards for the control of apple blotch. Gunderson. 28 pp.
- 223. Carnation stem rot and its control. Peltier. 32 pp.
- 224. The seasonal cost of milk production. Pearson. 20 pp.

(1920)

- 225. Nitrate production in field soils in Illinois. Whiting and Schoonover. 48 pp. (Abst. 4 pp.)
- 226. Variations in farrow: with special reference to the birth weight of pigs. Carmichael and Rice. 32 pp. (Abst. 4 pp.)
- 227. Sulfur in relation to soil fertility. Stewart. 12 pp.
- 228. An epidemic of ropy milk. Harding and Prucha. 16 pp.
- 229. Dendrophoma leaf blight of strawberry. Anderson. 12 pp.
- 230. Elimination of germs from dairy utensils. I. By rinsing. II. By drying in sun and air. Prucha and Harding. 32 pp. (Abst. 4 pp.)

(1921)

- 231. The horse and the tractor. Handschin, Andrews, and Rauchenstein. 56 pp.
- 232. I: Potash shales of Illinois. Parr and Austin, Division of Applied Chemistry, University of Illinois. II: Geology, distribution, and occurrence in Union county. Krey, Illinois Geological Survey. III: Finely-ground shale as a source of potassium for soil improvement. Stewart, Illinois Agricultural Experiment Station. 28 pp.
- 233. Sweet clover for nitrate production. Whiting and Richmond. 16 pp.
- 234. Graphical presentation of the financial phases of feeding experiments. Mitchell. 66 pp.
- 235. Feeding pure-bred draft fillies. Edmonds and Kammlade. 32 pp.
- 236. Germ content of milk. III. As influenced by visible dirt. Harding and Prucha. 32 pp. (Abst. 4 pp.)
- 237. Effect of temperature of pasteurization on the creaming ability of milk. Harding. 16 pp.

(1922)

- 238. Feeding farm work horses and mules. Edmonds and Kammlade. 20 pp.
- 239. How Greece can produce more food. Hopkins. 40 pp.
- 240. The production and utilization of manure on Illinois dairy farms. Ross. 20 pp.

(1923)

- 241. Comparative expense of mechanical and hand milking. Pearson and Ross. 16 pp.
- 242. Flag smut of wheat, with special reference to varietal resistance. Tisdale, Dungan and Leighty. 32 pp. (Abst. 4 pp.)
- 243. Corn varieties for chinch-bug infested areas. Flint and Hackleman. 12 pp.
- 244. The feed cost of milk and fat production as related to yields. Ross, Hall, and Rhode. 24 pp. (Abst. 4 pp.)

245. Relation between percentage fat content and yield of milk. Gaines and Davidson. 48 pp. (Abst. 8 pp.)
246. Clostridium Botulinum Type C. Graham and Boughton. 34 pp.

(1924)

247. Feeding pigs on pasture. Rice. 28 pp.
248. A modification of the Babcock test for the determination of fat in buttermilk. Tracy and Overman. 8 pp.
249. Calcium cyanide for chinch-bug control. Flint and Balduf. 16 pp.
250. The value of mineral supplements in swine feeding. Rice, with an introduction by Mitchell. 24 pp.
251. Blooming periods of apples. Crandall. 26 pp.
252. Increasing farm earnings by the use of simple farm accounts. Case and Mosher. 36 pp.
253. The sunflower as a silage crop. Feeding value for dairy cows; composition and digestibility when ensiled at different stage of maturity. Nevens. 44 pp. (Abst. 4 pp.)
254. Elimination of germs from dairy utensils. III. Steaming cans over a jet. Prucha and Harding. 8 pp.
255. Corn root, stalk, and ear rot diseases, and their control thru seed selection and breeding. Holbert, Burlison, Koehler, Woodworth, and Dungan. 256 pp. (Abridged edition, 100 pp.)

(1925)

256. Phyllosticta leaf spot, fruit blotch, and canker of the apple: its etiology and control. Guba. 80 pp.
257. A bibliography of researches bearing on the composition and nutritive value of corn and corn products. Keith. 152 pp.
258. Experiments with subsoiling, deep tilling, and subsoil dynamiting. R.S. Smith. 20 pp.
259. The cultivation of corn. Weed control vs. moisture conservation. Wimer and Harland. 24 pp., illus.
260. The soybean crop for fattening western lambs. Kammlade and Mackey. 16 pp., illus.
261. Economic factors in cattle feeding. Cattle feeding in relation to farm management. Cast and Myers. 32 pp.
262. Feeding purebred draft fillies. Edmonds and Crawford. 16 pp.
263. Relation of solids in milk to fat and specific gravity of the mil. Overman, Davidson, and Sanmann. 12 pp.
264. Wheat rosette and its control. McKinney, Webb, and Dungan. 26 pp.
265. Tulip blossom blight. Stevens and Plunkett. 12 pp.
266. Factors influencing lodging in corn. Koehler, Dungan, and Holbert. 64 pp.

- 267. Successful threshing ring management. Rauchenstein and Bonnen. 32 pp.
- 268. The sunflower as a silage crop. Composition and yield at different stages of maturity. Gaines and Nevens. 52 pp.
- 269. The marketing of milk in the Chicago dairy district. Ross. 84 pp.
- 270. Measuring the breeding value of dairy sires by the records of their first few advanced registry daughters. Davidson. 24 pp.
- 271. An experiment in selecting corn for yield by the method of the ear-row breeding plot. Smith and Brunson. 20 pp.

(1926)

- 272. Rate of milk secretion as affected by advance in lactation and gestation. Gaines and Davidson. 36 pp.
- 273. The Illinois soil experiment fields. Bauer, R. S. Smith, and L. H. Smith. 294 pp.
- 274. Some tests in the culture of peppers. Lloyd. 8 pp.
- 275. Apple breeding at the University of Illinois. Crandall. 264 pp.
- 276. Productiveness of varieties of winter wheat in Illinois. Stark. 36 pp.
- 277. Cost of producing field crops in three areas of Illinois, 1913-1922. Rauchenstein and Ross. 32 pp.
- 278. The growth of white Plymouth Rock chickens. Mitchell, Card, and Hamilton. 64 pp. (Abst. 8 pp.)
- 279. The toxicity of salt for chickens. Mitchell, Card, and Carman. 24 pp. (Abst. 8 pp.)
- 280. Crop yields from Illinois soil experiment fields in 1925. Bauer. 20 pp.
- 281. A comparison of white and yellow corn for growing and fattening swine and for brood sows. Rice, Mitchell, and Laible. 28 pp.
- 282. The energy value of milk as related to composition. Overman and Sanmann. 16 pp., illus.
- 283. A technical study of the maintenance and fattening of sheep and their utilization of alfalfa hay. Mitchell, Kammlade, and Hamilton. 32 pp. (Abst. 4 pp.)
- 284. The influence of plant injury and the root rot diseases upon the physical and chemical composition of corn grain. Dungan. 32 pp. (Abst. 4 pp.)

(1927)

- 285. Experiments in handling sweet clover. With reference to the accumulation and conservation of nitrates in the soil. Whiting and Richmond. 24 pp.
- 286. Fertilizer experiments with greenhouse lettuce and tomatoes. Lloyd. 28 pp.
- 287. Spring wheat production in Illinois. Stark. 16 pp.
- 288. Persistency of lactation in dairy cows. Gaines. 72 pp.
- 289. Experiments in the self-feeding of dairy cows. Nevens. 28 pp.

- 290. Ross Odorata as a grafting stock for indoor roses. Weinard and Dorner. 12 pp.
- 291. A technical study of the digestibility of corn stover silage for beef cows. Hamilton and Rusk. 20 pp.
- 292. Soybean hay and sweet-clover pasture for growing purebred draft fillies. Edmonds and Crawford. 16 pp.
- 293. Adjusting hog production to market demand. Elliott. 68 pp. (Abst. 8 pp.)
- 294. Productiveness of certain varieties of corn in Illinois. Dungan and Burlison. 16 pp.
- 295. Costs of storing corn on the farm. Rickey. 16 pp.
- 296. Crop yields from Illinois soil experiment fields in 1926. Bauer. 24 pp.
- 297. Varieties of barley in Illinois. Dungan, Stark, and Burlison. 12 pp.
- 298. Winter forcing of rhubarb. Sayre. 26 pp.
- 299. The effects of phosphorus and sulfur fertilizers on flower production of roses and carnations. Weinard and Lehenbauer. 28 pp.
- 300. Lessons from the Morrow plots. DeTurk, Bauer, and L.H. Smith. 36 pp.
- 301. The place of hog production in corn-belt farming. Case and Ross. 36 pp.

(1928)

- 302. Growth and senescence in purebred Jersey cows. Davidson. 56 pp.
- 303. The digestibility and metabolizable energy of soybean products for sheep. Hamilton, Mitchell, and Kammlade. 60 pp.
- 304. A study of factors affecting the efficiency and design of farm septic tanks. Lehmann, Kelleher, and Buswell. 44 pp.
- 305. Crop yields from Illinois soil experiment fields in 1927. Bauer. 32 pp.
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