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BULLETINS

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1 (The Station; its origin; organization and regulations; fields of investigations; plans for immediate work) 14 pp.


3 Field experiments in cats, 1888; Germination of grass and clover seeds. Morrow and Hunt. 12 pp.

(1889)


7 The biology of ensilage (Burrill). Filed experiments with cats, 1889 (Hunt). 37 pp.

(1890)


10 Investigations of "milk tests." Farrington. 8 pp.


(1891)


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.


18 Dairying experiments. Farrington. 16 pp.

(1892)


23 Experiments with oats, 1892. Morrow and Gardner. 16 pp.

(1893)


27 Some new points in the manipulation of the Babcock milk test. Farrington. 4 pp.


(1894)

30 Blackberries and raspberries, variety tests, and management. McCluer. 12 pp.


32 An acid test of cream. Farrington. 8 pp.


35 The Russian thistle in Illinois. Morrow. 4 pp., illus.


(1895)


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)

42 Corn experiments, 1895. Davenport and Fraser. 18 pp.


44 Insect injuries to the seed and root of Indian corn. Forbes. 88 pp.


(1897)


47 Broom-corn smut. Clinton. 40 pp., illus.

48 The San Jose scale in Illinois. Forbes. 16 pp.

(1898)


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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.
57 The smuts of Illinois' agricultural plants. Clinton. 72 pp.
58 Composition and digestibility of corn-fodder and corn stover. Hopkins. 10 pp.

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61 The farmer's vegetable garden. Lloyd. 16 pp.
63 Seed corn and some standard varieties for Illinois. Shamel. 28 pp.
64 Treatment of oats for smut. Shame. 16 pp.
66 Individual difference in the value of dairy cows. Fraser. 16 pp.

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68 Important details of spraying. Stubenrauch. 32 pp.
70 Canker of apple trees. Hasslebring. 16 pp.
72 Additional insecticide experiments for the San Jose scale. Forbes. 4 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.


80 Methods and results of field insecticide work against the San Jose scale, 1899-1902. Forbes. 40 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.


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.

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111 Maintenance rations for beef breeding cows. Mumford. 20 pp.

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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.


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.


(1909)


133  Ear rots of corn. Burrill and Barrett. 48 pp.

134  The insect pests of clover and alfalfa. Folson. 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.


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143  Economy of the round dairy barn. Fraser. 48 pp.

144  Growing tomatoes for early market. Lloyd and Brooks. 48 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.)

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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.


159 Balanced vs. unbalanced rations for dairy cows. Fraser and Hayden. 12 pp.


161 Fate of tubercle bacilli outside the animal body. Briscoe. 100 pp. (Abst. 8 pp.)

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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.)


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.)


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.)

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177 Radium as a fertilizer. Hopkins and Sachs. 16 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.
183 Prices and shrinkage of farm grains. Burlison and Allyn. 16 pp.

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185 Field experiments in spraying apple orchards. Under the direction of Blair by Pickett, Watkins, Ruth, Foglesong, and Gunderson. 168 pp. (Abst. 12 pp.)
188 Methods of fertilizing sweet potatoes. Durst. 12 pp.
189 Parasitic rhizoctonias in America. Peltier. 112 pp. (Abst. 4 pp.)

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196 The use of commercial fertilizers in growing roses. Muncie. 56 pp. (Abst. 4 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.)


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.)

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204 Germ content of milk. II. As influenced by the utensils. Prucha, Weeter, and Chambers. 44 pp.


206 Field experiments in spraying apple orchards in 1913 in 1914. Pickett, Watkins, Ruth, and Gunderson. 84 pp. (Abst. 4 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.)

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212 Limestone action on acid soils. Stewart and Wyatt. 32 pp.

213 Two Illinois rhubarb diseases. Stevens. 16 pp., illus.

215 A study of the relative reliability of official tests of dairy cows. Yapp. 20 pp. (Abst. 4 pp.)


217 An apple canker due to Cytospora. Stevens. 18 pp.

218 The pruning of winter-injuring peach trees. Gunderson. 16 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.


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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.)


230 Elimination of germs from diary utensils. I. By rinsing. II. By drying in sun and air. Prucha and Harding. 32 pp. (Abst. 4 pp.)

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233 Sweet clover for nitrate production. Whiting and Richmond. 16 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.


238 Feeding farm work horses and mules. Edmonds and Kammlade. 20 pp.

239 How Greece can produce more food. Hopkins. 40 pp.


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.)
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262  Feeding purebred draft fillies.  Edmonds and Crawford.  16 pp.

263  Relation of solids in milk to fat and specific gravity of the milk.  Overman, Davidson, and Sanmann.  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.

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272  Rate of milk secretion as affected by advance in lactation and gestation.  Gaines and Davidson.  36 pp.


274  Some tests in the culture of peppers.  Lloyd.  8 pp.

275  Apple breeding at the University of Illinois.  Crandall.  264 pp.


277  Cost of producing field crops in three areas of Illinois, 1913-1922.  Rauchenstein and Ross.
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.)


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.)

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286 Fertilizer experiments with greenhouse lettuce and tomatoes. Lloyd. 28 pp.


290 Ross Odorata as a grafting stock for indoor roses. Weinard and Dorner. 12 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.)

295 Costs of storing corn on the farm. Rickey. 16 pp.


301 The place of hog production in corn-belt farming. Case and Ross. 36 pp.

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302 Growth and senescence in purebred Jersey cows. Davidson. 56 pp.


304 A study of factors affecting the efficiency and design of farm septic tanks. Lehmann, Kelleher, and Buswell. 44 pp.


306 Experiments in crossing varieties as a means of improving productiveness in corn. L. H. Smith and Brunson. 16 pp.


309 Experiments in the culture and forcing of witloof chicory. Sayre. 24 pp.


311 Native crabs: their behavior in breeding. Crandall. 28 pp.

312 Marketing Calhoun county apples. Lloyd and Newell. 52 pp.
313  The utilization of soft corn in beef cattle feeding.  Rusk and Snapp.  28 pp.


317  Relative energy value of alfalfa, clover, and timothy hay for the maintenance of sheep.  Mitchell, Kammlade, and Hamilton.  44 pp.


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319  Fertilizer experiments with truck crops in southern Illinois.  Lloyd.  16 pp.


321  Swine type studies.  I.  Type in swine as related to rate and economy of gain.  Carroll, Bull, Rice, Laible and H. S. Smith.  56 pp.

322  Swine type studies.  II.  Type in swine as related to quality of pork.  Bull and Longwell.  96 pp.

323  Swine type studies.  III.  The energy and protein requirements of growing swine and the utilization of feed energy in growth.  Mitchell and Hamilton.  112 pp.

324  Seasonal features of Illinois grain marketing.  Norton and Stewart.  48 pp.


328  Summer relations for fattening steers.  Snapp and Knox.  16 pp.

329  Organizing the corn-belt farm for profitable production.  Case, Wilcox, and Berg.  80 pp.


333 Enzyme activity of ice-cream improvers. Tracy and Ruehe. 28 pp.


336 Quality in celery as related to structure. Sayre. 32 pp.


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345 Use of honey in ice-cream manufacture. Tracy, Ruehe, and Sanmann. 16 pp.

346 Fertilizing twenty-five kinds of vegetables. Lloyd and Strubinger. 20 pp.


350 Some factors influencing the keeping quality of fruit in transit. Lloyd and Newell. 36 pp.

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