

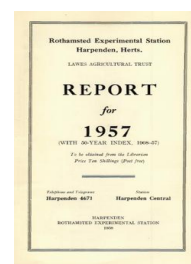
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Report for 1957

[Full Table of Content](#)



Fifty Year Index to the Rothamsted Annual Report, 1908-1957

Rothamsted Research

Rothamsted Research (1958) *Fifty Year Index to the Rothamsted Annual Report, 1908-1957* ; Report For 1957, pp 309 - 316 - DOI: <https://doi.org/10.23637/ERADOC-1-90>

FIFTY-YEAR INDEX
TO THE
ROTHAMSTED
ANNUAL REPORT
(1908-57)

For fifty years the work of Rothamsted has been described in the *Rothamsted Annual Report*. The first *Report* (for 1908) was a pamphlet sixteen pages in length. Subsequent issues have steadily increased in size, keeping pace with the expansion of Rothamsted itself, until today the *Report* cannot be kept down much below 300 pages.

How were the results of the Rothamsted experiments communicated to the public before the *Report* was started?

The earliest published account of the work at Rothamsted appeared over Sir John Lawes's signature in *The Gardener's Chronicle and Agricultural Gazette*, 14 June 1845 (pp. 406–407).

In July 1855—the month in which the Testimonial Laboratory, presented to Lawes by a group of Hertfordshire farmers, was opened—the first independent report of the Rothamsted experiments, a pamphlet of four pages, was issued under the title *Rothamsted Farm*.

From 1862 to 1901 *Memoranda of the plan and results of the Rothamsted field experiments* were published under slightly varying titles—annually from 1869 to 1901. This publication was superseded by *Plans and summary tables, arranged for reference in the fields*, which had started in 1896 and continued until 1905.

A *Guide to the experimental plots* was issued in 1906, and the first *Annual Report* (for 1908, published in 1909) was designed partly as a supplement to the *Guide*.

For the first seven years, as also since 1946, the *Report* was published annually; during the intervening period a number of issues covering two or more years appeared.

Fifty-Year Index to the Rothamsted Annual Report (1908-57)

Note: This is *not* a full technical index. It records only review articles and summaries of experimental results, buildings erected and land acquired, chairmen of the Lawes Agricultural Trust Committee, Directors and Heads of Departments of Rothamsted Experimental Station, and a few miscellanea.

Adco, **1929**, 39

Agdell field :

rotation experiment, **1957**, 252

swedes, yield of 1908 (photograph), **1908**, 5

Aphid flight. *See* Johnson, C. G.

Armstrong, F. E., death of, **1946**, 16.

Bacteriology Department 1920-34, **1934**, 56

Baldwin's Paddock acquired, **1956**, 22

Barley, malting:

investigations 1923-32, **1932**, 36

4th Conference on, **1937**, 75

Barnicot, William, death of, **1946**, 19

Bee-keeping Research Section 1922-35, **1935**, 60

Bees as pollinators of fruit and seed crops; by C. G. Butler & J. Simpson, **1953**, 167

Beet yellows virus and other yellowing virus diseases of sugar beet; by M. A. Watson, **1951**, 157

Biochemistry Section 1933-35, **1935**, 47

Bledisloe, Charles Bathurst 1st Viscount, Chairman of Lawes Agricultural Trust 1920-24, **1923/24**, 13

Botany Department 1906-36, **1935**, 71

Bracken thiaminase; by R. H. Kenten, **1957**, 242

Brenchley, W. E.:

retires, **1948**, 17, **1950**, 12

death of, **1953**, 23

Brierley, W. B., resigns, **1932**, 45

Broadbalk:

combine-harvester first used on, **1957**, 186

weedkiller first used on, **1957**, 186

Broadbalk fallow 1935-54, **1955**, 161

Brooks, F. T., death of, **1951**, 22

Brown, G. & Greene-Kelly, R. *Clay minerals*, **1954**, 181

Butler, C. G. & Simpson, J. *Bees as pollinators of fruit and seed crops*, **1953**, 167

Canteen completed, **1948**, 17

Centenary celebrations, **1939/45**, 17

Cereal diseases. *See* Glynne, Mary D., and Take-all of wheat and barley.

Chalk applied to Rothamsted fields 1912-13, **1914**, 27

Chemistry Department 1920-34, **1934**, 48

Church, B. M. *Some results of the Survey of Fertilizer Practice, 1950*, **1950**, 137

Classical Experiments, extent of laboratory work on (1908) **1908**, 3

Clay minerals; by G. Brown & R. Greene-Kelly, **1954**, 181

Clinton, Charles 21st Baron, died June 1957, Chairman of Lawes Agricultural Trust Committee 1925-37, **1957**, 25

Commonwealth Agricultural Bureaux started (1929), **1927/28**, 19

Computer, Electronic. *See* Electronic computer.

Conversion table for weights and measures, **1938**, 106

Creyke, Caroline, *née* Lawes, death of, **1946**, 16

- Crop yields:
construction and use of summary tables, **1936**, 70
highest of experimental plots 1920–30, **1930**, 22
relation of cultivation to, **1936**, 37
- Crowther, E. M.:
classified list of publications, **1954**, 195
death of, **1954**, 24
Review of work on nutritional problems in forest nurseries, **1949**, 122
- Crump, L. M. See Thornton, H. G. & Crump L. M. *Micropredators in soil*.
Cultivation experiments 1913 and earlier, **1914**, 28
- Cutler, D. Ward, death of, **1939/45**, 10
- D.D.T. See McIntosh, A. H.
- Deep Cultivation experiment 1944–56, **1957**, 193
- Delafield acquired, **1956**, 22
- Demonstration room built, **1931**, 18
- Development Commission, inception of, **1911**, 3
- Dung. See Farmyard manure.
- Dunkley, G. T., death of, **1915/17**, 7
- Ecological aspects of aphid flight and dispersal*; by C. G. Johnson, **1955**, 191
Electric charge on soil particles; by R. K. Schofield, **1947**, 95
Electronic computer at Rothamsted; by M. J. R. Healy, **1956**, 229
- Emerson, W. W. *Soil structure*, **1956**, 222
- Entomology Department 1915–36, **1936**, 99
- Evaporation, work of the Physics Department on, **1946**, 25
- Eyespot of wheat and barley*; by M. D. Glynne and G. A. Salt, **1957**, 231
- Farm. See Rothamsted Farm and Woburn Experimental Station and Farm.
- Farmyard manure:
artificial (Adco), **1929**, 39
early results, **1937**, 30
early work on, **1915/17**, 8
modern replicated experiments on **1937**, 31
persistence of effects, Hoosfield barley 1852–1930, **1930**, 39
- Fenwick, D. W. *Hatching of cyst-forming nematodes*, **1955**, 202
- Fermentation Department 1913–36, **1936**, 74
- Fertilizer Building erected, **1953**, 25
- Fertilizer policy, war-time (1939–1945), **1939/45**, 262
- Fertilizer Practice, Survey. See Church, B. M.
- Field experimentation:
early paper on, by Mercer and Hall, **1911**, 12
experiments at Rothamsted and outside centres: abbreviated list (1938),
1938, 211
first recorded non-classical experiment at Rothamsted, **1909**, 14
new methods (1925), **1925/26**, 26
standard errors 1925–28, **1927/28**, 37
1925–31, **1931**, 59
See also Broadbalk fallow; Crop yields; Deep Cultivation experiment;
Four-course rotation; Garden clover; Hoosfield; Outside centres; Six-
course rotation; Three-course rotation; Two-course rotation; Vegetable
crops.
- Field experimentation at Rothamsted 1926–36*; by D. J. Watson, **1936**, 64
- Fisher, Sir R. A., leaves, **1933**, 10, 42
- Forest nurseries, nutritional problems. See Crowther, E. M.
- Four-course rotation-experiment:
started in 1930, **1930**, 39, 125; 1930–54, **1954**, 153
- Garden clover experiment 1854–1956, **1956**, 187
- Geescroft Wilderness acquired, **1956**, 22
- Geology of Rothamsted experimental fields, **1930**, 59
- Gilbert, Sir Joseph Henry: portrait *aet.* 24 presented to Rothamsted, **1936**, 20
- Glynne, Mary D. & Salt, G. A. *Eyespot of wheat and barley*, **1957**, 231
- Goldschmidt, V. M., death of, **1946**, 19
- Goodey, T., death of, **1953**, 23
- Green manuring experiment, 1913, **1914**, 29

- Greene-Kelly, R. See Brown, G. & Greene-Kelly, R. *Clay minerals*.
Grey, Edwin:
 death of, **1955**, 25
 Reminiscences . . . of the laboratories, staff and experimental fields (1922)
 1921/22, 9
- Hall, Sir A. D., resigns, **1912**, 3
Hatching of cyst-forming nematodes; by D. W. Fenwick, **1955**, 202
Healy, M. J. R. *The electronic computer at Rothamsted*, **1956**, 229
Henderson Smith, J.:
 death of, **1951**, 22
 retires, **1939/45**, 19
Hoosfield alternate wheat and fallow 1856–1925, **1956**, 184
How far do insects travel? by C. B. Williams, **1951**, 173
- Imms, A. D., leaves, **1931**, 10
Imperial Agricultural Bureaux. See Commonwealth Agricultural Bureaux.
Insect travel. See Williams, C. B.
Insecticides & Fungicides Department 1918–36, **1936**, 84
- James Mason Laboratory founded, **1908**, 2
Johnson, C. G. *Ecological aspects of aphid flight and dispersal*, **1955**, 191
Joseph, A. F., resigns, **1933**, 18
- Keen, Sir B. A., leaves, **1947**, 16
Kenten, R. H. *Bracken thiaminase*, **1957**, 242
- Large-scale production of edible protein from fresh leaves*; by N. W. Pirie,
1952, 173
Lawes, Caroline, daughter of Sir John Lawes. See Creyke, Caroline.
Lawes Testimonial Laboratory. See Rothamsted Laboratories.
Lea Valley experiments begun, **1912**, 8
Leaf protein. See Pirie, N. W.
- MacAlister, Everilda, *née* Creyke, grand-daughter of Sir John Lawes, death of,
1956, 25
McIntosh, A. H. *Physical properties and contact toxicity of D.D.T. and some
related compounds*, **1953**, 176
Malting barley. See Barley, malting.
Manganese oxidation in plants. See Mann, P. J. G.
Mann, H. H., retires, **1956**, 25
Mann, P. J. G. *Review of work on manganese oxidation in higher plants*, **1951**,
168
Meteorological observations made (1938), **1938**, 69
Microbiology Department 1920–34, **1934**, 64
Micro-nutrients, K. Warington on, **1953**, 181
Micro-organisms capable of the selective destruction of soil bacteria; by H. G.
Thornton, **1946**, 40
Micropredators in soil; by H. G. Thornton and L. M. Crump, **1952**, 164
Minor elements. See Micronutrients.
Molybdenum, K. Warington on, **1953**, 181
- Nematodes, cyst-forming. See Fenwick, D. W.
Nematology Building completed, **1948**, 18
Nematology Department, transferred to Rothamsted from Winches Farm,
1947, 16
Ninnings cottages. See Rothamsted Farm.
Non-classical experiment, earliest recorded, **1908**, 14
North Buildings (Plant Pathology) completed, **1923/24**, 12
Northbrook, Francis Arthur *4th Baron*, livestock prints: catalogue by D. H.
Boalch, **1957**, 301
Nutrient uptake from leaf sprays. See Thorne, G. N.
- Oggelsby, A., retires, **1953**, 23
Outside centres, field experimentation at (1922–38), **1938**, 51

- Page, H. J., leaves, **1927/28**, 11
- Penman, H. L. *Work of the Physics Department on natural evaporation*, **1946**, 25
- Peters, B. G.:
 leaves, **1955**, 25
Review of work on potato root eelworm, **1950**, 147
Physical properties and contact toxicity of D.D.T. and some related compounds; by A. H. McIntosh, **1953**, 176
- Physics Department 1920-34, **1934**, 35
- Pirie, N. W. *Large-scale production of edible protein from fresh leaves*, **1952**, 173
- Plant Pathology building. *See* North Building.
- Plant Pathology Department 1918-37, **1937**, 59
- Plant viruses, serological reactions: review of work on, **1948**, 120
- Pollination by bees. *See* Butler, C. G. & Simpson, J.
- Potato root eelworm. *See* Peters, B. G.
- Potato virus diseases, review of work on, **1947**, 101
- Potatoes, experiment on time of planting 1946-50, **1950**, 116
- Radnor, William 7th Earl of, Chairman of the Lawes Agricultural Trust Committee from 1938 onwards, **1937**, 225
- Rain and drainage: monthly mean for 1870/71-1937/38, **1938**, 107
- Recent work on molybdenum and some micro-nutrient interactions*; by K. Warington, **1953**, 181
- Relation between soil cultivation and crop yields, E. W. Russell on, **1949**, 130
- Residual effects of the manurial and cropping treatments in the Agdell Rotation experiment*; by R. G. Warren, **1957**, 252
- Review of work on manganese oxidation in higher plants*; by P. J. G. Mann, **1951**, 168
- Review of work on nutritional problems in forest nurseries*; by E. M. Crowther, **1949**, 122
- Review of work on Potato root eelworm*; by B. G. Peters, **1950**, 147
- Review of work on potato virus diseases*, **1947**, 101
- Review of work on the serological reactions of plant viruses*, **1948**, 120
- Richards, E. H., death of, **1939/45**, 19
- Rothamsted estate, bought in 1934, **1934**, 19
- Rothamsted experiments:
 acreage suitable for experiment, **1957**, 185
 first and later published accounts of, **1957**, 310
- Rothamsted Farm:
 230 acres leased by Rothamsted Experimental Station in 1912, **1912**, 4
 bought, with the estate, in 1934, **1934**, 19
 buildings put up, 1914, **1914**, 26
 buildings put up, 1931, **1931**, 18
 cost of experimental work, 1911-1920, **1918/20**, 7
 Ninnings cottages completed, **1948**, 18
 road concreted, **1948**, 18
See also: Grey, Edwin. *Reminiscences . . .*
- Rothamsted Laboratories:
 Lawes Testimonial Laboratory of 1855 pulled down (1914), **1914**, 4, 5
 Northern section of present Main Laboratory built (1913), **1914**, 4
 present Main Laboratory building completed (1917), **1915/17**, 15; opened (1919), **1918/20**, 7
See also Fertilizer Building; Grey, Edwin. *Reminiscences . . .*;
 James Mason Laboratory; Nematology Building; North Building;
 Sample House; West Building.
- Rothamsted Lodge bought, **1947**, 17
- Rothamsted Manor:
 bought in 1934, **1934**, 19
 converted into Hall of Residence, **1952**, 23
 guide to, by D. H. Boalch, **1953**, 226
- Russell, Sir E. J.:
 portrait of, **1939/45**, 18
 retires, **1939/45**, 18
Soil conditions and plant growth, 1st edition noted, **1912**, 16
- Russell, E. W. *The relation between soil cultivation and crop yields*, **1949**, 130

- Sample House converted into Library Annexe, **1951**, 20
- Schofield, R. K. *The electric charge on soil particles*, **1947**, 95
- Schofield, R. K., leaves, **1955**, 25
- Simpson, J. See Butler, C. G. & Simpson, J. *Bees as pollinators . . .*
- Six-course rotation experiment:
started in 1930, **1930**, 41, 128
1930-48, **1948**, 90
- Soil conditioners, **1953**, 146
- Soil cultivation and crop yields. See Russell, E. W.
- Soil Microbiology Department. See Bacteriology Department and Microbiology Department.
- Soil particles, electric charge on. See Schofield, R. K.
- Soil structure*; by W. W. Emerson, **1956**, 222
- Soil Survey Headquarters transferred to Rothamsted, **1953**, 25.
- Some results of the Survey of Fertilizer Practice*, 1950; by B. M. Church, **1950**, 137
- Stackyard (Woburn), continuous wheat and barley. See Woburn Experimental Station and Farm.
- Staff list, earliest in the *Report*, **1913**, 2
- Standard errors. See under Field experimentation.
- Statistics Department 1919-33, **1933**, 43
- Sugar beet diseases. See Watson, M. A.
- Survey of Fertilizer Practice. See Church, B. M.
- Take-all of wheat and barley*, **1946**, 60
- Tattersfield, F., retires, **1947**, 16; **1956**, 25
- Thorne, G. N. *Uptake of nutrients from leaf sprays by agricultural crops*, **1954**, 188
- Thornton, H. G. *Micro-organisms capable of the selective destruction of soil bacteria*, **1946**, 40
- Thornton, H. G., retires, **1957**, 76
- Thornton, H. G. & Crump, L. M. *Micropredators in soil*, **1952**, 164
- Three-course Rotation experiment 1934-51, **1951**, 135
- Trace elements. See Micro-nutrients.
- Two-course Rotation experiment 1942-49, **1949**, 101
- Uptake of nutrients from leaf sprays . . .*, by G. N. Thorne, **1954**, 188
- Vegetable crops, experiments on (1931-35), **1935**, 32
- Voelcker, J. A. **1935**, 11; **1937**, 225. (He retired from Woburn in 1936 and died on 6 November 1937.)
- Warington, K. *Recent work on molybdenum and some micro-nutrient interactions*, **1953**, 181
- Warren, R. G. *The residual effects of the manurial and cropping treatments in the Agdell Rotation experiment*, **1957**, 252
- War-time work at Rothamsted:
1914-1918: **1918/20**, 25
1939-1945: **1939/45**, 19
- Watson, D. J. *Field experimentation at Rothamsted 1926-36*, **1936**, 64
- Watson, M. A. *Beet yellows virus and other yellowing virus diseases of sugar beet*, **1951**, 157
- West Building completed, **1955**, 27
- Weston, B., retires after 46 years' service, **1956**, 25
- Wheat and barley: take-all, **1946**, 40
- Whittlocks acquired, **1956**, 22
- Williams, C. B. *How far do insects travel?* **1951**, 173
- Williams, C. B., retires, **1955**, 25
- Woburn Experimental Station and Farm:
continuous barley in Stackyard 1877-1926: mean yields by 10-year periods, **1927/28**, 106
continuous wheat in Stackyard 1877-1926: mean yields by 10-year periods, **1927/28**, 104
continuous wheat and barley experiments taken over by Rothamsted in 1921, **1921/22**, 11
earliest Rothamsted report on, **1921/22**, 61

Woburn Experimental Station and Farm (*cont.*):
fully taken over by Rothamsted, **1925/26**, 15
ley-arable experiment 1938-48, **1948**, 94
work, 1876-1926, **1933**, 50; **1935**, 11 (book by Russell & Voelcker)
Work of the Physics Department on natural evaporation; by H. L. Penman,
1946, 25

Yields. See Crop yields.