

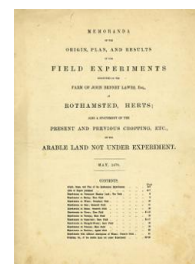
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# Yields of the Field Experiments 1878

[Full Table of Content](#)



## List of Papers Published

### Rothamsted Research

Rothamsted Research (1879) *List of Papers Published* ; Yields Of The Field Experiments 1878, pp 6 - 7 - DOI: <https://doi.org/10.23637/ERADOC-1-242>

The following lists give the titles of the papers already published, arranged in two series, and within each series arranged in chronological order; and they show in what Journal each paper appeared.

SERIES I.—REPORTS OF FIELD EXPERIMENTS, EXPERIMENTS ON VEGETATION, &c. PUBLISHED 1847—1878 INCLUSIVE.

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|---|---|
| 1. Agricultural Chemistry (Jour. Roy. Ag. Soc. Eng., vol. viii., p. 226) .. .. . 1847   | Manure for several years in succession on the same land (Jour. Roy. Ag. Soc. Eng., vol. xxiii., p. 31) .. 1862  |
| 2. Agricultural Chemistry, Turnip Culture (Jour. Roy. Ag. Soc. Eng., vol. viii., p. 494) .. .. . 1847   | 19. The Effects of Different Manures on the Mixed Herbage of Grass Land (Jour. Roy. Ag. Soc. Eng., vol. xxiv., p. 131) .. .. . 1863   |
| 3. Experimental Investigation into the Amount of Water Given Off by Plants during their Growth, especially in relation to the Fixation and Source of their various Constituents (Jour. Hort. Soc. Lond., vol. v., p. 38) 1850                       | 20. On the Sources of the Nitrogen of Vegetation, with special reference to the question whether Plants assimilate Free or Uncombined Nitrogen (Jour. Chem. Soc., new series, vol. i.; entire series, vol. xvi.) 1863 |
| 4. Report of some Experiments undertaken at the suggestion of Professor Lindley, to ascertain the Comparative Evaporating Properties of Evergreen and Deciduous Trees (Jour. Hort. Soc. Lond., vol. vi., p. 227) .. .. . 1851                       | 21. Liebig and the "Mineral Theory" (note, extracted from a paper by Messrs. Lawes and Gilbert, Jour. Roy. Ag. Soc. Eng., vol. xxiv., part 2) .. .. . 1863  |
| 5. Agricultural Chemistry, especially in relation to the Mineral Theory of Baron Liebig (Jour. Roy. Ag. Soc. Eng., vol. xii., p. 1) .. .. . 1851  | 22. Further Report of Experiments with Different Manures on Permanent Meadow Land (Jour. Roy. Ag. Soc. Eng., vol. xxiv., part 2) .. .. . 1863   |
| 6. On the Amounts of, and Methods of Estimating, Ammonia and Nitric Acid in Rain-water (Report of the British Association for the Advancement of Science for 1854) .. .. . 1854   | 23. Report of Experiments on the Growth of Wheat for Twenty Years in Succession on the same land (Jour. Roy. Ag. Soc. Eng., vol. xxv., parts 1 and 2) 1864  |
| 7. Report of the Right Hon. the Earl of Leicester, on the Experiments, conducted by Mr. Keary, on the Growth of Wheat upon the same land for four successive years, at Holkham Park Farm (Jour. Roy. Ag. Soc. Eng., vol. xvi., p. 207) .. .. . 1855 | 24. On the Selection of Artificial Manures for the Sugar-cane .. .. . 1864  |
| 8. On some points connected with Agricultural Chemistry; being a reply to Baron Liebig's "Principles of Agricultural Chemistry" (Jour. Roy. Ag. Soc. Eng., vol. xvi., p. 411) .. .. . 1855  | 25. Preliminary Notice of Results on the Composition of Wheat grown for twenty years in succession on the same land (Report of the British Association for the Advancement of Science for 1867) .. .. . 1867          |
| 9. On the Growth of Wheat by the Lois Weedon System, on the Rothamsted Soil; and on the Combined Nitrogen in Soils (Jour. Roy. Ag. Soc. Eng., vol. xvii., p. 582) .. .. . 1856  | 26. On the Home Produce, Imports, and Consumption of Wheat (Jour. Roy. Ag. Soc. Eng., vol. vi., s.s., part 2) 1868  |
| 10. On some points in the Composition of Wheat Grain, its Products in the Mill, and Bread (Journal of the Chemical Society of London, vol. x., p. 1) .. 1857  | 27. Exhaustion of the Soil in relation to Landlords' Covenants, and the Valuation of Unexhausted Improvements (read before the London Farmers' Club, April 4, 1870) .. .. . 1870                                      |
| 11. On the Growth of Barley by Different Manures continuously on the Same Land; and on the Position of the Crop in Rotation (Jour. Roy. Ag. Soc. Eng., vol. xviii., p. 454) .. .. . 1857  | 28. Scientific Agriculture with a view to Profit (read before the Maidstone Farmers' Club, Dec. 15, 1870) 1870  |
| 12. Report of Experiments with different Manures on Permanent Meadow Land, with Tabular Appendix (Jour. Roy. Ag. Soc. Eng., vols. xix., p. 552, and xx., pp. 228 and 398) .. .. . 1858-9  | 29. Reports of Experiments on the Influence of various Manures on different Species of Plants (Proceedings of the Royal Horticultural Society) .. .. . 1870   |
| 13. Report of Experiments on the Growth of Red Clover by different Manures (Jour. Roy. Ag. Soc. Eng., vol. xxi., p. 178) .. .. . 1860   | 30. Effects of the Drought of 1870 on some of the Experimental Crops at Rothamsted (Jour. Roy. Ag. Soc. Eng., vol. vii., s.s., part 1) .. .. . 1871   |
| 14. On the Sources of the Nitrogen of Vegetation; with special reference to the question whether Plants Assimilate Free or Uncombined Nitrogen.—Abstract (Proceedings of the Royal Society of London, vol. x., p. 544) .. .. . 1860                 | 31. Notes on Clover Sickness (Jour. Roy. Hort. Soc., vol. iii.) .. .. . 1871  |
| 15. On the Application of Different Manures to Different Crops, and on their Proper Distribution on the Farm 1861   | 32. Report of Experiments on the Growth of Barley for Twenty Years in Succession on the same land (Jour. Roy. Ag. Soc. Eng., vol. ix., s.s., parts 1 and 2) 1873  |
| 16. On some Points in connection with the Exhaustion of Soils.—Abstract (Report of the British Association for the Advancement of Science for 1861) .. 1861   | 33. Unexhausted Tillages and Manures, with reference to the Landlord and Tenant (Ireland) Act, 1870 .. 1874   |
| 17. On the Sources of the Nitrogen of Vegetation, with special reference to the question whether Plants Assimilate Free or Uncombined Nitrogen (Philosophical Transactions, part 2, 1861) .. .. 1861  | 34. On the more frequent Growth of Barley on Heavy Land (read before the London Farmers' Club, Feb. 1, 1875) 1875   |
| 18. Report of Experiments made at Rodmersham, Kent, on the Growth of Wheat by different Descriptions of   | 35. On the Valuation of Unexhausted Manures (Jour. Roy. Ag. Soc. Eng., vol. xi., s.s., part 1) .. .. . 1875   |
|   | 36. Note on the Occurrence of "Fairy Rings" (Jour. Linn. Soc., Botany, vol. xv., p. 17) .. .. . 1875  |
|   | 37. On some points in connection with Vegetation (Address delivered at South Kensington in the Chemical Section of the Science Conferences) .. .. . 1876  |
|   | 38. On Rainfall, Evaporation, and Percolation (Proceedings of the Inst. of Civil Engineers, vol. xiv., part 3) 1876   |
|   | 39. Freedom in the Growth and Sale of the Crops of the Farm, considered in relation to the interests of the Landowner and the Tenant Farmer (Jour. Soc. Arts, December 14, 1877) .. .. . 1877                         |
|   | 40. On Nitrification; a Report of Experiments made in the Rothamsted Laboratory (Jour. Chem. Soc., January, 1878) .. .. . 1878  |

SERIES II.—REPORTS OF EXPERIMENTS ON THE FEEDING OF ANIMALS, SEWAGE UTILISATION, &c.  
PUBLISHED 1849—1877, INCLUSIVE.

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|---|------|---|------|
| 1. Agricultural Chemistry: Sheep Feeding and Manure, Part I. (With Tabular Appendix in 1856.) (Jour. Roy. Ag. Soc. Eng., vol. x., p. 276) .. .. .                                       | 1849 | Food, and on its relations to Bread—Abstract (Jour. Chem. Soc., vol. xii., p. 54) .. .. .   | 1860 |
| 2. Report of Experiments on the Comparative Fattening Qualities of Different Breeds of Sheep; Hampshire and Sussex Downs (Jour. Roy. Ag. Soc. Eng., vol. xii., p. 414) .. .. .          | 1851 | 15. Fifth Report of Experiments on the Feeding of Sheep (Jour. Roy. Ag. Soc. Eng., vol. xxii., p. 189) .. .. .  | 1861 |
| 3. Report of Experiments on the Comparative Fattening Qualities of Different Breeds of Sheep—Cotswolds (Jour. Roy. Ag. Soc. Eng., vol. xiii., p. 179) .. .. .                           | 1852 | 16. Report of Experiments on the Fattening of Oxen at Woburn Park Farm (Jour. Roy. Ag. Soc. Eng., vol. xxii., p. 200) .. .. .   | 1861 |
| 4. On the Composition of Foods in relation to Respiration and the Feeding of Animals (Report of the British Association for the Advancement of Science for 1852) .. .. .                | 1852 | 17. Experiments on the Question whether the Use of Condiments increases the Assimilation of Food by Fattening Animals, or adds to the Profits of the Feeder (Edinburgh Veterinary Review and Annals of Comparative Pathology, July, 1862) .. .. . | 1862 |
| 5. Agricultural Chemistry: Pig Feeding (Jour. Roy. Ag. Soc. Eng., vol. xiv., p. 459) .. .. .  | 1853 | 18. Supplementary Report of Experiments on the Feeding of Sheep (Jour. Roy. Ag. Soc. Eng., vol. xxiii., p. 191) .. .. .   | 1862 |
| 6. On the Equivalency of Starch and Sugar in Food (Report of the British Association for the Advancement of Science for 1854) .. .. .   | 1854 | 19. The Utilisation of Town Sewage (Jour. Roy. Ag. Soc. Eng., vol. xxiv., p. 65) .. .. .  | 1863 |
| 7. Experiments on the Comparative Fattening Qualities of Different Breeds of Sheep—Leicesters and Cross-breeds (Jour. Roy. Ag. Soc. Eng., vol. xvi., p. 45) .. .. .                     | 1855 | 20. On the Chemistry of the Feeding of Animals for the Production of Meat and Manure (read before the Royal Dublin Society, March 31, 1864) .. .. .   | 1864 |
| 8. On the Sewage of London (Journal of the Society of Arts, March 7, 1855) .. .. .  | 1855 | 21. On the Sewage of Towns (Third Report and Appendices 1, 2, and 3, of the Royal Commission. Presented to Parliament) .. .. .  | 1865 |
| 9. Letter on the Utilisation of Town Sewage (from the Report ordered by the House of Commons to be printed, Aug. 3, 1857. Appendix xii., p. 477) .. .. .                                | 1857 | 22. Report (presented to Parliament) of Experiments undertaken by Order of the Board of Trade to Determine the Relative Values of Unmalted and Malted Barley as Food for Stock .. .. .  | 1866 |
| 10. Experimental Inquiry into the Composition of some of the Animals Fed and Slaughtered as Human Food. Abstract (Proceedings of the Royal Society of London, vol. ix., p. 348) .. .. . | 1858 | 23. On the Composition, Value, and Utilisation of Town Sewage (Jour. Chem. Soc., New Series, vol. iv.; Entire Series, vol. xix.) .. .. .  | 1866 |
| 11. Observations on the recently-introduced Manufactured Foods for Agricultural Stock (Jour. Roy. Ag. Soc. Eng., vol. xix., p. 199) .. .. .   | 1858 | 24. Food, in its Relations to the various Exigencies of the Animal Body (Phil. Mag., July, 1866) .. .. .  | 1866 |
| 12. Experimental Inquiry into the Composition of some of the Animals Fed and Slaughtered as Human Food (Philosophical Transactions, Part 2, 1859) .. .. .                               | 1859 | 25. On the Sources of the Fat of the Animal Body (Phil. Mag., December, 1866) .. .. .   | 1866 |
| 13. On the Composition of Oxen, Sheep, and Pigs, and of their Increase while Fattening (Jour. Roy. Ag. Soc. Eng., vol. xxi., p. 433) .. .. .  | 1860 | 26. Note—On Sewage Utilisation (Proceedings of the Institution of Civil Engineers, vol. xiv., Part 3) .. .. .   | 1876 |
| 14. On the Composition of the Animal Portion of our   |      | 27. On some Points in connection with Animal Nutrition (Address delivered at South Kensington in the Biological Section of the Science Conferences) .. .. .   | 1876 |
|   |      | 28. On the Formation of Fat in the Animal Body (Journal of Anatomy and Physiology, vol. xi., Part 4) .. .. .  | 1877 |