

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 1931

[Full Table of Content](#)



Contents

Rothamsted Research

Rothamsted Research (1932) *Contents* ; Report For 1931, pp 4 - 5 - DOI:
<https://doi.org/10.23637/ERADOC-1-65>

Contents

| | <i>Page</i> |
|---|-------------|
| Experimental Station Staff | 6-10 |
| Members who have left since last Report | 10 |
| List of Temporary Workers, 1931 | 10-11 |
| Imperial Bureau of Soil Science | 12 |
| Publications of the Station | 13-16 |
| Introduction—General Account of Rothamsted .. | 17-19 |
| Report for the Year 1931 | 20-67 |
| FIELD EXPERIMENTS | 20-35 |
| Fertilisers on Grassland | 20-27 |
| Home Grown Food for Animals | 27 |
| Potatoes | 28-30 |
| Barley | 30-31 |
| Sugar Beet | 31-32 |
| Experiments at Outside Centres | 33-35 |
| SOIL FERTILITY AND MECHANISATION | 35-38 |
| ELEMENTS NEEDED BY PLANTS IN SMALL QUANTITIES .. | 38-39 |
| METHODS FOR AGRICULTURAL SOIL SURVEY | 39-40 |
| GENERAL MICROBIOLOGY | 40 |
| BACTERIAL NUMBERS AND SOIL FERTILITY | 40-41 |
| FUNGAL NUMBERS | 41-42 |
| VIRUS DISEASES | 42-43 |
| BACTERIAL DISEASES | 43-44 |
| FUNGUS DISEASES | 44-45 |
| INSECT PESTS | 45-46 |
| INSECTICIDES | 46-47 |
| BEES | 47-49 |
| SURVEY OF FUNGUS DISEASES AT ROTHAMSTED AND WOBURN | 49-52 |
| SURVEY OF INSECT PESTS AT ROTHAMSTED AND WOBURN | 52-57 |
| FIELD PLOT TECHNIQUE | 57-59 |
| ACCURACY OF FIELD EXPERIMENTS | 59-61 |
| ROTHAMSTED FARM REPORT | 61-66 |
| METEOROLOGICAL OBSERVATIONS | 66-67 |

| | <i>Page</i> |
|--|---------------|
| Summaries of Papers Published in 1931— | |
| I.—Scientific Papers : | 68-89 |
| CROPS, PLANT GROWTH, PLANT PRODUCTS AND ACTION OF MANURES | 68-74 |
| STATISTICAL METHODS AND RESULTS | 74-76 |
| THE SOIL | 77-80 |
| SOIL ORGANISMS | 80-84 |
| THE PLANT IN DISEASE : CONTROL OF DISEASE | 84-89 |
| II.—Technical and Other Papers | 89-92 |
| GENERAL | 89-90 |
| CROPS, SOILS AND FERTILISERS | 90-91 |
| BIOLOGICAL | 91-92 |
| Books Published in 1931 | 92 |
| Woburn Experimental Farm : | |
| Report for 1931 by Dr. J. A. Voelcker | 93-100 |
| Report by Mr. H. G. Miller | 100-106 |
| Yields of Experimental Plots, 1931 : | |
| THE USE OF THE SUMMARY TABLES | 108 |
| THE CLASSICAL EXPERIMENTS | 109-128 |
| CONTINUOUS ROTATION EXPERIMENTS | 129-140 |
| OTHER EXPERIMENTS AT ROTHAMSTED | 141-159 |
| OTHER EXPERIMENTS AT WOBURN | 160-165 |
| EXPERIMENTS AT OUTSIDE CENTRES | 166-198 |
| Trustees and Committee of Management : | |
| Lawes Agricultural Trust | 199 |
| Society for Extending the Rothamsted Experiments | 199 |
| Corrections to 1930 Report | 127, 150, 156 |