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 readible, or you suspect there are some problems, please let us know and we will correct that.



Report for 1929

Rothamored Experimental Station Harpendon
LATELLANDERS AND STATE
REPORT
for
1929
The Management of the Interior
Polymore Control of the Interior
Report of the I

Full Table of Content

Contents

Rothamsted Research

Rothamsted Research (1930) *Contents*; Report For 1929, pp 4 - 5 - **DOI:** https://doi.org/10.23637/ERADOC-1-111

Contents

| Exp | erimental Station Staff | | | | | | Page 6-10 |
|------|------------------------------|---------|--------|--------|--------|---------|-----------|
| _ | nbers who have left since | | | t | | | 10 |
| | of Temporary Workers, | | _ | | | •• | |
| | | | • | •• | ••• | ••• | 11 |
| | perial Bureau of Soil Scient | | | •• | • • | •• | 12 |
| Pub | lications of the Station . | | | •• | | | 13-16 |
| Inti | oduction—General Accou | int of | Rotha | msted | | | 17-19 |
| Rep | ort for the Year 1929 . | | | | | | 20-50 |
| | CHANGES IN SYSTEM OF FA | RM MA | NAGEN | MENT | | : | 22-26 |
| | Laying Down Land to Gr | rass . | | | | | 23 |
| | Manuring Grass Land . | | | | | : | 23-25 |
| | Effectiveness of Basic Sla | ig . | | | | : | 25-26 |
| | CROP EXPERIMENTS . | | | | | | 26 |
| | Lucerne | | | | | : | 26-27 |
| | | | | | | : | 27-30 |
| | | | | | | : | 30-33 |
| | 0 | • | | • • | | | 33 |
| | | | •• | | • • | : | 33-36 |
| | | • | | • • | •• | : | 36-37 |
| | | | | • • | • • | • • | 37 |
| | Effect of Weather on Wh | leat an | d Barl | ey | • • | • • | 38 |
| | Losses from Arable Lani | | | | | ; | 38-39 |
| | DECOMPOSITION OF PLANT] | RESIDU | JES | | | : | 39-42 |
| | Artificial Farmyard Manu | ure . | | | | | 39-41 |
| | Effluent from Sugar Beet | | | | | | 41-42 |
| | Sarr Cris mysel mean | | | | | | 42 |
| | | • | | • • | • • | •• | |
| | | | • • | • • | | • • • | 43-45 |
| | Viens Dissesses | | | • • | • • | •• | 43 |
| | P. () | | • | •• | •• | •• | 44 |
| | Des Bereich | | | • • | •• | | 44-45 |
| | | | • • | •• | •• | | 45 |
| | ACCURACY OF FIELD EXPER | RIMENT | S | • • | •• | • • • • | 45-48 |
| | DURATION OF THE EFFECT | | | 100 | •• | | 48-49 |
| | WINTER AND HOME-GROWN | Food | FOR S | тоск | | | 49-50 |
| Sun | nmaries of Papers Publis | hed. | 1929- | _ | | | |
| | I.—Scientific Pape | rs: | | | | | |
| | CROPS, PLANT GROWTH AND | FERT | LISER | Invest | IGATIO | NS . | 51-55 |
| | STATISTICAL METHODS AND | RESUI | TS | | | | 56-57 |
| | THE SOIL | | | | | | 58 |
| | Physical Properties . | | | | | | 58 |
| | Physical Chemistry . | | | | | | 58 |

| THE SOIL POPULATION AN | D ITS BEHA | VIOUR | | Page 59 | | | | | | |
|--|-------------|-----------|-------------|-------------|--|--|--|--|--|--|
| Bacteria | | | | . 59 | | | | | | |
| Protozoa | | | | =0 | | | | | | |
| THE PLANT IN DISEASE; | CONTROL O | F DISEAS | Е. | . 59-61 | | | | | | |
| Insect Pests and their C | | 13000 | taqvid | . 59-60 | | | | | | |
| Fungus Pests and their | | | | . 60-61 | | | | | | |
| Bacterial Diseases | | | | . 61 | | | | | | |
| II.—Technical Papers: | | | | | | | | | | |
| Crops, Soils and Fertilis | ers | | | . 62 | | | | | | |
| Biological | MINTE | 17.7 | 1.19 (9) | . 63 | | | | | | |
| Note.—The Scientific Papers ments as follows:— | are divided | d among | the varie | ous depart- | | | | | | |
| BACTERIOLOGICAL DEPART | MENT | Nos. iii | xvii. | | | | | | | |
| BOTANICAL DEPARTMENT. | | No. i. | | | | | | | | |
| CHEMICAL DEPARTMENT | | Nos. xv | vvi | | | | | | | |
| ENTOMOLOGICAL DEPARTM | | | x, xx, xxi | | | | | | | |
| GENERAL MICROBIOLOGY | | ,, | .,, | | | | | | | |
| DEPARTMENT | | No. xvi | ii. | | | | | | | |
| FERMENTATION DEPARTME | ENT | " iv. | | | | | | | | |
| Mycological Departmen | | | ii xxiii. | xxiv, xxv. | | | | | | |
| PHYSICAL DEPARTMENT . | | No. xiv | | | | | | | | |
| STATISTICAL DEPARTMENT | | | x, xi, x | ii. xiii. | | | | | | |
| FIELD EXPERIMENTS AND | | | | | | | | | | |
| (a) The Rothamsted Sta | | | xii, xiii. | | | | | | | |
| (b) The Imperial College | | 17.7 | vi, vii, vi | ii | | | | | | |
| | | | | | | | | | | |
| Meteorological Observation | | •• | | . 63-64, 82 | | | | | | |
| The Farm and Crop Results | | sted, 192 | 29 . | . 65-67 | | | | | | |
| Woburn Experimental Farm | | | | . 68 | | | | | | |
| Recent Changes Dr. I. A. Voelcker's Rev | ort 1929 | enzoni. | | 60 76 | | | | | | |
| Dr. J. A. Voelcker's Report, 1929 69-76 Yields of Experimental Plots, 1929: | | | | | | | | | | |
| The Use of the Summar | | | | . 78 | | | | | | |
| The Classical Experimen | | | | . 79-88 | | | | | | |
| Replicated Experiments | | | | 89-123 | | | | | | |
| Experiments at Rotha | | | | 89-105 | | | | | | |
| Experiments at Wobu | | | | . 106-114 | | | | | | |
| Experiments at Outsi | | | | . 115-123 | | | | | | |
| Corrections in Report fo | | •• | | 124 | | | | | | |
| Trustees and Committee of Management, | | | | | | | | | | |
| Lawes Agricultural T | | •• | | 125 | | | | | | |
| Society for Extending the Re | othamsted | Experi | ments | 125 | | | | | | |