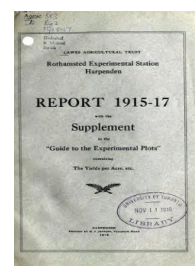


Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



Report 1915-17 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre Etc.



[Full Table of Content](#)

Contents

Rothamsted Research

Rothamsted Research (1917) *Contents* ; Report 1915-17 With The Supplement To The Guide To The Experimental Plots Containing The Yields Per Acre Etc., pp 3 - 3 - DOI:

<https://doi.org/10.23637/ERADOC-1-108>

Contents

	Page
Illustration; New Laboratory	2
Experimental Station Staff	4
Introduction	5
Report of the 'Three Years' Work, 1915-17	7
The Library	15
Report on Farm and Experimental Plots: Season 1914-15, 1915-16, 1916-17	15
Papers published:	
SOIL PROBLEMS: Atmosphere of the Soil—Biochemical Changes in the Soil—Dissolved Oxygen in Rainwater—Soil Protozoa—Organic Residues and Nitrogen Fixation—Bacterio- Toxins in Soil—Dilute Acids and Phosphorus Compounds of the Soil—Adsorption by Soil—Loss of Phosphoric Acid dur- ing fusion with Ammonium Chloride—Lime requirements of Soils—Soluble Humus and Soil Productiveness	22
FARMYARD MANURE: Making and Storing of Farmyard Manure—Fixation of Nitrogen in Fæces—House Flies and Manure Heaps	28
PLANT NUTRITION PROBLEMS: Formation and Translocation of Carbohydrates in Plants—Enzymes in Carbohydrate Analy- sis—Organic Plant Poisons—Concentration of Nutrient Solu- tion and Plant Growth—Recolonisation of Land gone out of Cultivation—Effect of Weeds upon Cereal Crops—Buried Weed Seeds	31
TECHNICAL PAPERS: West Country Grasslands—Weeds on Arable Land—Yield of Second-rate Arable and Pasture Land —Crops without Potash Manure—Two White Straw Crops in Succession—Loss of Nitrate from Arable Soils—Soil An- alysis—Increased Crop Production—Chalking—Army Stable Manure—Humogen—Dried and Degreased Sewage Sludge— Charcoal and Plant Growth	40
PAPERS SUMMARISING RECENT PROGRESS IN AGRICUL- TURAL INVESTIGATIONS	48
BOOKS PUBLISHED	48
Enquir'es Undertaken at Government Request	49
Tables of Field Trials, etc.	51
Trustees and Committee of Management	70
Members of Council of the Incorporated Society for Ex- tending the Rothamsted Experiments in Agricultural Science	70
Subscribers and Donors	71