

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

Rothamsted Report for 1938

[Full Table of Content](#)



Abbreviated List of the Field Experiments

Rothamsted Research

Rothamsted Research (1939) *Abbreviated List of the Field Experiments* ; Rothamsted Report For 1938, pp 211 - 212 - DOI: <https://doi.org/10.23637/ERADOC-1-86>

ABBREVIATED LIST OF THE FIELD EXPERIMENTS

	<i>Page</i>
Chemical analysis of manures used in replicated experiments	105-106
Average wheat yield of various countries	106
Conversion tables	106
Meteorological records	107
Classical Experiments	
Rotation—Agdell	108
Wheat after fallow—Hoosfield	109
Mangolds—Barnfield	110
Hay—Park Grass	111
Botanical Composition—1938 (1st crop)	112-114
Wheat—Broadbalk	115-116
Barley—Hoosfield	117
Modern Long Term Experiments	
Four Course Rotation—Residual value of humic and phosphatic fertilizers ..	118-120
Six Course Rotation, Rothamsted and Woburn—Seasonal effects of N, P ₂ O ₅ and K ₂ O	121-125
Three Course Rotation—Utilisation of straw and effect of ploughing in straw ..	126-127
Three Course Rotation—Effects of various types and depths of cultivation. The	
use of cyanamide as a weed-killer	128-132
New Green Manuring Experiment, Woburn—Effects on kale of clover and rye-grass	
as leys, of mustard and tares as green manures and of dung, N and straw ..	133-134
Comparison of Ley and Arable Rotations, Woburn—Effects of three year ley, three	
years of lucerne and an arable rotation with a one year ley in building up soil	
fertility	135-139
Short Term Experiments—Rothamsted	
Wheat—Clover and ryegrass as leys, followed by mustard and vetches as green	
manures	140-143
Clover—Second year residual effects of dung and straw at two times of application	
and of sulphate of ammonia	144
Spring Oats—Residual effects of dung and straw at two times of application ;	
sulphate of ammonia, superphosphate and sulphate of potash	145-146
Sugar Beet—Agricultural salt, superphosphate and muriate of potash at four times	
of application. Dung	147-149
Kale—Sulphate of ammonia, poultry manure, soot and rape-dust. Direct, cumula-	
tive and residual effects. Dung	150
Kale—Sulphate of ammonia, dung, treated town refuse and minerals (super-	
phosphate and muriate of potash)	151
Potatoes—Fresh and stored dung, straw, sulphate of ammonia, superphosphate	
and sulphate of potash	152-154
Short Term Experiments—Woburn	
Sugar Beet—Agricultural salt, superphosphate and muriate of potash at four times	
of application. Dung	155-157
Sugar Beet—Sulphate of ammonia, dung, treated town refuse and minerals (super-	
phosphate and muriate of potash)	158-160
Kale (1937)—Mustard, tares and lupins as green manures	161-162
Kale (1938)—Mustard, tares and lupins as green manures	163
Kale—Sulphate of ammonia, poultry manure, soot and rape-dust. Direct, cumula-	
tive and residual effects. Dung	164
Lucerne—Influence of dung on effectiveness of inoculation	165
Summaries of Groups of Experiments	
Experiments on poultry manure	166-169
Sugar beet fertilizer experiments, factory series	170-191

		<i>Page</i>
Experiments at Outside Centres		
Barley.	Nocton, Lincs—Residuals N (0, 1, 2), P (0, 1, 2), K (0, 1, 2)	192
Mangolds.	High Halstow, Kent—Sulphate of ammonia (0, 1, 2), treated town refuse (0, 1, 2) and rape-dust (0, 1, 2)	193
Potatoes.	Siddlesham, Chichester—Sulphate of ammonia (0, 1, 2), treated town refuse (0, 1, 2) and rape-dust (0, 1, 2)	194
	Tunstall, Suffolk—Sulphate of ammonia (0, 1, 2), treated town refuse (0, 1, 2) and rape-dust (0, 1, 2)	195
	March, Cambs—N (0, 1, 2), P (0, 1, 2), K (0, 1, 2)	196
Sugar Beet.	Tunstall, Suffolk—Superphosphate or slag, ploughed in or harrowed in	197
	Tunstall, Suffolk—Residuals of chalk (0, 1, 2, 3, 4)	198
Experiments carried out by Local Workers		
Hay.	Burford, Oxford—Slag (0, 1, 3), direct and residual effects	199
	Bakewell, Derby—N, P, K	199
	Bakewell, Derby—Artificial and compost, direct and residual effects	200
Kale.	Bakewell, Derby—N (0, 1, 2, 3)	200
	Loughborough, Leicester—N (0, 1, 2), thinning	201
Potatoes.	Burford, Oxford—Artificial and organic fertilisers, (0, 1, 3)	201-202
Sugar Beet.	Caistor, Lincs—Sulphate of ammonia, nitrate of soda, nitro-chalk, cyanamide and nitrate of lime	202
	Spalding, Lincs—Sulphate of ammonia, nitrate of soda and nitro-chalk	203
	Swaffham, Norfolk—Muriate of potash, kainit and salt	203
	Wragby, Lincs—Salt and compound manure	204
	Sleaford, Lincs—Compound manure (0, 2, 3, 4, 5)	205
	Tattershall, Lincs—Compound manure (0, 2, 3, 4, 5)	206
	Spalding, Lincs—N, P, K. Time of lifting	207
	Uggheshall, Suffolk—N, P, K. Time of lifting	208
	Balderton, Notts—Superphosphate and slag. Two times of application	209
	Leverton—Sulphate of ammonia, nitrate of soda, nitro-chalk, cyanamide and nitrate of lime	210
<i>Note.</i> —N denotes sulphate of ammonia or nitrate of soda, P denotes superphosphate, and K denotes any potash fertiliser.		

ERRATA

1937 Report

- p. 132. Plots 11 to 15, yields are one line too low. Sections at the bottom of the page should read : I, II, III, IV, V.
- pp. 132, 133 From 1927 onwards, the dressings of sulphate of ammonia have been in units of 2 cwt. and not as reported in units of 206 lb.