

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 1933

[Full Table of Content](#)



Abbreviated List of the Field Experiments

Rothamsted Research

Rothamsted Research (1934) *Abbreviated List of the Field Experiments* ; Report For 1933, pp 197 - 198 - DOI: <https://doi.org/10.23637/ERADOC-1-3>

ABBREVIATED LIST OF THE FIELD EXPERIMENTS

	Page
Notes on the construction and use of the summary tables	98-99
Conversion tables	99
Chemical analysis of manures used in replicated experiments	100-1
Average wheat yield of various countries	101
Meteorological records	102
 Classical Experiments	
Rotation.—Agdell	103
Wheat after fallow.—Hoosfield	104
Mangolds.—Barnfield	105
Hay.—Park Grass	106
Botanical composition—1930 1st crop	107
Wheat.—Broadbalk	108-109
Barley.—Hoosfield (fallow in 1932-3)	—
 Modern Long Term Experiments	
Four Course Rotation.—Residual values of humic and phosphatic fertilisers	110-112
Six Course Rotation, Rothamsted and Woburn.—Seasonal effects of N, P ₂ O ₅ and K ₂ O	113-117
Three Course Rotation.—Utilisation of straw and green manuring. Effect of ploughing in straw, and of winter green-manure crops	118-121
 Short Term Experiments.—Rothamsted	
Barley.—Sulphate of ammonia and ammonium bicarbonate applied early and late	122-123
Wheat.—Effects of various temporary leys	124-127
Wheat.—Autumn and spring cultivations, top dressing of sulphate of ammonia	128-130
Forage Mixture.—Various mixtures of oats and vetches, sulphate of ammonia	131-132
Potatoes.—Poultry manure, sulphate of ammonia, ammonium bicarbonate, superphosphate	133-134
Sugar beet.—Dung and minerals applied in surface and in subsoil	135-136
Sugar beet.—Spacing of rows, sulphate of ammonia, ploughing or harrowing in minerals	137-139
Kale.—Two varieties, thinning, heavy nitrogen dressings	140-145
Brussels sprouts.—Poultry manure, sulphate of ammonia, superphosphate	146-147
 Short Term Experiments.—Woburn	
Barley.—Residual effect of dung	148-149
Sugar beet.—Spacing of rows, sulphate of ammonia, ploughing or harrowing in minerals	150-153
Brussels sprouts.—Poultry manure, sulphate of ammonia, superphosphate	154-155
 Animal Husbandry Experiments	
Pigs.—Green food, wet <i>v.</i> dry feeding, size of pen	156-158
 Summaries of Groups of Experiments	
Experiments on malting barley, 1922-1933	159-160
Experiments on poultry manure and ammonium bicarbonate, 1933	161-166
Sugar beet fertiliser experiments, factory series, 1933	167-172

Experiments at Outside Centres		Page
Hay.	Badminton, Glos.—Residuals of K, super. and other phosphates	173
	Chesterfield, Derby.—Residuals of super. and other phosphates	173
Barley.	Wellingore, Lincs.—S/A and amm. bicarb., P	173-174
	Wye, Kent.—S/A and amm. bicarb., P	174-175
Potatoes.	Wisbech, Cambs.—N (0, 1, 2), P (0, 1, 2), K (0, 1, 2)	175-176
	Little Downham, Ely, Cambs.—N (0, 1, 2), P (0, 1, 2)	176
	March, Cambs.—N, P, K	177
	Sutton, Beds.—N, P, K	177
	Wimblington, Cambs.—N (0, 1, 2), K (0, 1, 2)	178
Sugar beet.	Thorney, Cambs (six experiments)—N, K	178-179
	Tunstall, Suffolk.—N (0, 1, 2, 3), residuals of humate <i>v.</i> sulphate	179-180
	Tunstall, Suffolk.—Residuals of chalk (0, 1, 2, 3, 4)	180
	Wimblington, Cambs.—P, K	181
Peas.	Stanford, Biggleswade, Beds.—N, K, slag	181-182
 Experiments carried out by Local Workers		
Hay.	St. Albans, Herts.—K, phosphates, different seed mixtures	182
	Bakewell, Derby.—Super. and other phosphates	183
	Bakewell, Derby.—N, P, K	183
	Bakewell, Derby.—Artificials and compost, direct and residual effects	183-184
Barley.	Haileybury, Herts.—K, phosphates	184
	Calverton, Notts.—Residuals of artificials, I.C.I. fertiliser, and fish manure	184-185
Wheat.	Wilford, Notts.—Residuals of artificials, I.C.I. fertiliser, and fish manure	185
Potatoes.	Owmby Cliff, Lincs.—N (0, 1, 2, 3)	185
	Loughborough, Leicester.—Artificials (0, 1, 2, 3)	186
	Loughborough, Leicester.—N (0, 1, 2), K (0, 1, 2)	186
	Doncaster, York.—K applied at 3 times	186
	Abergele, Denbighshire.—N, P, K	187
Sugar beet.	Moulton, Northampton.—Mixed fertiliser (0, 1, 2, 3)	187
	Kirton, Lindsey, Lincs.—Mixed fertiliser (0, 1, 2, 3, 4), 2 times of harvesting	188-189
	Elsham, Lincs.—Mixed fertiliser (0, 1, 2, 3, 4), top dressing of N.	189-190
	Gainsborough, Lincs.—Singling (4 spacings)	190
	Riby, Lincs.—Mixed fertiliser (1, 2, 3, 4)	191
	Clipstone, Mansfield, Notts.—K (0, 1, 2), limestone (0, 1, 2)	191-192
	Markham Moor, Notts.—Mixed fertiliser (1, 2, 3, 4)	192
Mangolds.	Oakerthorpe, Derby.—N, K, F.Y.M.	193
Kale.	Loughborough, Leicester.—N (0, 1, 2), thinning	193-194
	Sparsholt, Winchester.—N (0, 1, 2), thinning	194
Spring cabbage.	Evesham, Worcester.—N, K, and nitrate of potash	194
Brussels sprouts.	London Colney, Herts.—N, P, K	195
Tomatoes.	St. Albans, Herts.—N and organic fertilisers	196
Lettuce.	St. Albans, Herts.—N (0, 1, 2), P (0, 1, 2), K (0, 1, 2)	196

Note: N denotes sulphate of ammonia, nitrate of soda or nitrochalk, P denotes superphosphate, and K denotes any potash fertiliser.