

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

Yields of the Field Experiments 1979

[Full Table of Content](#)



Contents 1979

Rothamsted Research

Rothamsted Research (1980) *Contents 1979* ; Yields Of The Field Experiments 1979, pp 3 - 6 - DOI: <https://doi.org/10.23637/ERADOC-1-45>

CONTENTS 1979

			Page
CONVENTIONS			7
EXPERIMENTS	CLASSICALS		
Broadbalk	Wheat, potatoes	R/BK/1	9
Hoosfield	Barley	R/HB/2	13
Wheat & Fallow	Wheat	R/WF/3	17
Exhaustion Land	Barley	R/EX/4	18
Park Grass	Old grass	R/PG/5	20
Agdell	Ryegrass, beans	R/AG/6	25
Barnfield	Ryegrass	R/BN/7	28
Garden Clover	Clover	R/GC/8	31
Rotation I	Grass, grass/clover, beans, wheat, winter barley	S/RN/1	33
Rotation II	Wheat, barley	S/RN/2	39
	ROTATIONS		
Ley/Arable	Old grass, leys, potatoes, wheat, beans, oats, barley	R/RN/1&2	45
Ley/Arable	Leys, barley, oats, wheat	W/RN/3	56
Market Garden	Ryegrass	W/RN/4	61
Arable Reference Plots	Barley, ley, potatoes, wheat, kale, permanent grass	R/RN/5	62
Arable Reference Plots	Oats, sugar beet, barley, ley, potatoes, permanent grass	W/RN/6	67
Residual Phosphate	Ley, wheat	R/RN/7	71
Cultivation/Weedkiller	Barley	R/RN/8	76
Organic Manuring	Wheat, sugar beet, ley	W/RN/12	79
Intensive Cereals	Wheat, barley	W/RN/13	84
Long Term Phosphate	Ley	W/RN/14	88
Effects of Deep PK	Barley	W/RN/16	91
	CROP SEQUENCES		
Long Term Liming	Fallow	R&W/CS/10	93
Soil Structure	Wheat	W/CS/11	94
N Levels to Old Grass	Old grass	R/CS/13	96
PK & Take-all	Wheat	R/CS/24	99
Nematicides in Crop Sequence	Potatoes, wheat, barley	W/CS/34	102
Nematicides Dosage	Potoates, wheat	W/CS/35	109
Cultivations & Soil Invertebrates	Old grass, new grass	R/CS/41	116
Dazomet & Nitrogen	Maize	W/CS/66	119
Effects of Breaks on Take-all	Barley, oats, beans	W/CS/99	121

CONTENTS 1979

			Page
CROP SEQUENCES (continued)			
Effects of Earthworm Inoculation	Ley	R/CS/130	123
Effects of Earthworm Destruction	Old grass	R/CS/131	126
Control of Pathogens	Maize	R/CS/133	129
Chemical Reference Plots	Barley	R/CS/140	131
Leatherjacket Study	Old grass	R/CS/156	134
Injected N	Old grass	R/CS/161	137
Sclerotinia control	Red and white clover	R/CS/165	159
Sowing Dates & CCN	Oats	W/CS/174	164
Green Manure	Barley, potatoes	W/CS/181	173
Factors Affecting Yield	Ryegrass, clover, lucerne	R&W/CS/200	177
Factors Affecting Yield	Wheat	R/CS/201	194
Effects of Phialophora Inoculation	Wheat	R/CS/202	204
Species Mixtures and Phialophora	Wheat	R/CS/203	206
Clover Varieties in Grass/Clover Mixtures	Ryegrass, clover	R/CS/204	209
Factors Affecting Eyespot	Wheat	R/CS/211	219
Seasonal Effects of Take-all	Beans, wheat	R/CS/212	222
Effects of Subsoiling & Deep PK	Beans	R&W/CS/216	224
Late N	Wheat	R/CS/223	226
Aqueous Urea & Nitrification Inhibitors	Ley	R/CS/232	228
Late N	Potatoes	W/CS/239	231
Effects of Mycorrhiza on Response to P	Potatoes, leeks	R/CS/240	234
Pesticides & Slot-seeding	Ryegrass	R/CS/241	236
Fungicides, N and Growth Regulator	Winter barley	S/CS/1	241

ANNUALS

WINTER WHEAT

Varieties & N	R&W/WW/1	244
Aqueous N & Nitrification Inhibitors	R&W/WW/2	248
Factors Limiting Yield	R/WW/3	254
Growth & Yield on a Contrasted Site	W/WW/3	266
Seed Rates & Divided N Dressings	R/WW/4	271
Fungicides	R/WW/5	273
Effects of Septoria	R/WW/6	275
Effects of Sulphur	R/WW/7	277
Integrated Pest Control	R/WW/8	279
Parasites & Predators of Insect Pests	R/WW/9	281
Rates and Times of N and Fungicide	S/WW/1	283

CONTENTS 1979

		Page
SPRING WHEAT		
Fungicides & Grain Microflora	R/WS/1	287
BARLEY		
Sowing Dates, Mildew Control & Growth Study	R/B/1	289
Mildew Sensitivity to Ethirimol	W/B/2	292
N & Growth Regulator	R/B/5	295
Times of Applying Tridemorph & Demeton-s-methyl	R/B/6	297
Varieties & N	R&W/B/7	299
Pythium Control	R&W/B/8	302
Sowing Dates & Pathogen Control	R/B/9	305
Mildew Control in a Serially Balanced Design	R/B/10	309
Controlled Drop Application of Tridemorph	R/B/11	311
N & Mildew	R/B/12	313
Mixed Varieties & Mildew	R/B/13	315
Drills & Methods of Applying Fertiliser	R/B/21	317
BEANS		
Control of Chocolate Spot	R/BE/1	319
Control of Sitona	R/BE/2	321
Factors Affecting Yield	R/BE/5	323
N & Pathogen Control	R/BE/6	331
Foliar Nutrition	R/BE/8	333
Control of Sitona	R/BE/9	335
Times of Applying Permethrin	R/BE/10	336
Pyrethroids & Sitona	R/BE/11	338
Comparison of Sprayers	R/BE/12	339
Comparison of Fungicides	R/BE/13	341
Red Tick Lines	R/BE/14	344
Effects of Vicia Cryptic Virus	R/BE/15	346
PEAS		
Control of Pathogens	R&W/PE/1	348
FENUGREEK		
N & Rhizobium	R/FE/1	353
MAIZE		
Rates & Times of N	R/MA/1	355

CONTENTS 1979		Page
	POTATOES	
Seed Stocks & Times of Applying Fungicides	R&W/P/4	357
Effects of Spacing & Lodging	R/P/6	365
	GRASS	
Liquid Fertiliser & Nitrification Inhibitors	R/G/1	368
	MISCELLANEOUS DATA	
METEOROLOGICAL RECORDS		
Rothamsted, Woburn & Saxmundham	E/1	373
CONVERSION FACTORS		