

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 1974

[Full Table of Content](#)



Contents 1974

Contents 1974, Rothamsted Research (1975) Yields Of The Field Experiments 1974, pp 3 - 6 - **DOI:** <https://doi.org/10.23637/ERADOC-1-119>

CONTENTS 1974		PAGE
CONVENTIONS		7
EXPERIMENTS	CLASSICALS	
Broadbalk	Potatoes, beans, wheat	R/BK/1 9
Hoosfield	Potatoes, beans, barley	R/HB/2 15
Wheat and Fallow	Wheat	R/WF/3 23
Exhaustion Land	Barley	R/EX/4 25
Park Grass	Old grass	R/PG/5 27
Agdell	Barley, potatoes	R/AG/6 31
Barnfield	Beans, potatoes, barley	R/BN/7 39
Garden Clover	Clover	R/GC/8 42
Rotation I	Grass, lucerne	S/RN/1 44
Rotation II	Potatoes, barley, sugar beet	S/RN/2 49
	ROTATIONS	
Ley/Arable	Old grass, leys, sugar beet, wheat	R/RN/1&2 57
Ley/Arable	Leys, barley, potatoes, wheat	W/RN/3 73
Market Garden	Fallow	W/RN/4 83
Arable Reference Plots	Barley, ley, potatoes, wheat, kale, permanent grass	R/RN/5 84
Arable Reference Plots	Oats, sugar beet, barley, ley, potatoes, permanent grass	W/RN/6 90
Residual Phosphate	Potatoes, barley, wheat, ley	R/RN/7 95
Cultivation/Weedkiller	Potatoes	R/RN/8 100
Cereal Disease		
Reference Plots	Beans, oats, wheat	R/RN/9 104
Irrigation	Wheat, kale	R/RN/11 106
Organic Manuring	Sugar beet, wheat	W/RN/12 113
Intensive Cereals	Ley, potatoes, wheat, barley	W/RN/13 121
Long Term Phosphate	Ley	W/RN/14 128
Rotation and		
Fumigation	Potatoes, barley, sugar beet	W/RN/15 130
Effects of Deep PK	Wheat, sugar beet, barley, potatoes	W/RN/16 136
	CROP SEQUENCES	
Levels of N & K	Barley	R/CS/1 140
Grazed Reference Plots	Old grass	R/CS/2 143
Wheat after Intensive		
Barley	Wheat, beans	R/CS/6 144
Long Term Liming	Potatoes	R&W/CS/10 146
Soil Structure	Wheat	W/CS/11 153
R = Rothamsted	W = Woburn	S = Saxmundham

CONTENTS 1974 (CONTD.)

	CROP SEQUENCES (contd.)		PAGE
N Levels to Old Grass	Old grass	R/CS/13	155
NPK to Old Grass	Old grass	R/CS/14	157
Irrigation & Eelworms	Potatoes	W/CS/16	171
PK & Take-all	Wheat	R/CS/24	175
Nematicides in Crop			
Sequence	Potatoes, sugar beet, barley	W/CS/34	181
Nematicides Dosage	Potatoes, sugar beet, barley	W/CS/35	187
Cultivations & Soil			
Invertebrates	Old grass, new grass	R/CS/41	197
Resistance to Cyst			
Nematode	Spring wheat	W/CS/49	200
Fumigation & N	Beans	W/CS/55	203
Dazomet & Nitrogen	Maize	W/CS/66	205
Nematodes & Verticillium	Potatoes	W/CS/78	207
Chemical Control of			
Soil-borne Pathogens	Beans	R/CS/82	210
Cultivations for Cereals	Wheat	R/CS/90	212
Effects of Breaks on			
Take-all	Barley, beans	W/CS/99	214
Chemical Control of			
Pathogens	Ryegrass	R/CS/105	216
Varieties & Pathogens	Ryegrass	R/CS/107	222
Benomyl & Sclerotinia	Clover	R/CS/109	225
Fertiliser & FYM	Wheat	R&W/CS/110	227
Effects of Stem Eelworm	Beans	R/CS/116	235
Effects of Viruses	Ryegrass, red clover	R/CS/123	237
Varieties & Aldicarb	Oats	R/CS/125	243
Ridging, Aldicarb &			
Ditylenchus	Onions	R/CS/127	246
Pesticides & Pest			
Predators	Wheat	R/CS/129	248
Effects of Earthworm			
Inoculation	New grass	R/CS/130	250
Effects of Earthworm			
Destruction	Old grass	R/CS/131	252
Control of Pathogens	Maize	R/CS/133	254
Direct Drilling &			
Diseases	Winter barley	R/CS/135	255
Control of PCN	Potatoes	W/CS/138	257
Fungicides & K	Barley	R/CS/139	260
Chemical Reference Plots	Barley	R/CS/140	262
N & Weedkiller	Old grass	R/CS/144	265
Slow-release N	Potatoes	R/CS/148	270
Liquid Fertilisers	Potatoes	R&W/CS/149	272
Varieties, N & CCC	Wheat	S/CS/1	278

CONTENTS 1974 (CONTD.)

	ANNUALS	PAGE
WINTER WHEAT		
Varieties, N & CCC	R&W/WW/1	284
Rates of Mercury Seed Dressings	R/WW/2	289
Fungicides	R/WW/3	291
Seed Dressing Rates & Bulb Fly	R/WW/4	294
SPRING WHEAT		
N Levels & Physiology	R/WS/1	296
BARLEY		
Varieties & N	R&W/B/4	298
Systemic Fungicide Study	R/B/5	301
Times of Applying Fungicides	R/B/7	303
Distance & Mildew Spread	R/B/8	306
Control of Cereal Aphids & BYDV	R/B/10	308
Insecticide & Beneficial Insects	R/B/13	310
Slow-release N	R/B/14	312
Varieties, N & Fungicide	S/B/1	316
WINTER OATS		
Sowing Dates, Aphids & BYDV	R/O/1	320
BEANS		
Virus Control	R/BE/1	323
Insecticide & Beneficial Insects	R/BE/2	325
Varieties & Viruses	R/BE/3	327
Synthetic Pyrethroid	R/BE/4	329
Control of Weevils	R/BE/6	331
Control of Stem Eelworm	R/BE/7	333
POTATOES		
Varieties	R&W/P/1	335
Seed Stocks & Seed Treatment	R&W/P/2	339
Seed Sources	R/P/3	345
Methods of Incorporating Nematicide	W/P/3	347
Blight & Aphid Reference Plots	R/P/4	350
Soil Fungicides & Scab	W/P/4	354
Spacing & Fertiliser	R/P/5	356

CONTENTS 1974 (CONTD.)

	ANNUALS (contd.)	PAGE
	SWEDES	
Control of Mildew	R/SW/1	361
	GRASS	
Rates & Forms of N	R/G/1	363
	MIXED CROPS	
Maize & Sweet Corn	Control of Frit Fly	R/M/6 370
METEOROLOGICAL RECORDS		
Rothamsted, Woburn & Saxmundham	E/1	373
CONVERSION FACTORS		