

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 1980

[Full Table of Content](#)



Contents

Rothamsted Research

Rothamsted Research (1981) *Contents ; Yields Of The Field Experiments 1980*, pp 3 - 6 - **DOI:**
<https://doi.org/10.23637/ERADOC-1-31>

CONTENTS 1980

Page

CONVENTIONS

EXPERIMENTS

Broadbalk
Hoosfield
Wheat & Fallow
Exhaustion Land
Park Grass
Agdell
Barnfield
Garden Clover
Rotation I

Rotation II

CLASSICALS

W.wheat, potatoes
S. barley
W. wheat
S. barley
Old grass
S. beans, w. wheat
Ryegrass
Clover
Grass, w. wheat, w. barley,
potatoes
W. wheat, w. beans

R/BK/1 9
R/HB/2 14
R/WF/3 18
R/EX/4 19
R/PG/5 21
R/AG/6 26
R/BN/7 30
R/GC/8 33

S/RN/1 35
S/RN/2 42

ROTATIONS

Ley/Arable

Old grass, leys, s. oats,
potatoes, sugar beet, s. beans,
s. barley, w. wheat

R/RN/1&2 46

Ley/Arable

Leys, s. barley, s. oats,
w. wheat

W/RN/3 57

Market Garden

Ryegrass

W/RN/4 63

Arable Reference Plots

S. barley, ley, potatoes,
w. wheat, kale, permanent grass

R/RN/5 64

Arable Reference Plots

W. barley, w. oats,
permanent grass

W/RN/6 69

Residual Phosphate

Ley

R/RN/7 76

Cultivation/Weedkiller

S. barley

R/RN/8 80

Organic Manuring

S. barley, sugar beet, ley

W/RN/12 83

Intensive Cereals

W. wheat, s. barley

W/RN/13 88

Long Term Phosphate

Ley

W/RN/14 92

Effects of Deep PK

S. barley

W/RN/16 96

CROP SEQUENCES

Long Term Liming

Fallow

R&W/CS/10 98

Soil Structure

W. barley

W/CS/11 99

N Levels to Old Grass

Old grass

R/CS/13 101

Nematicides in Crop

Sequence

Potatoes, s. barley

W/CS/34 105

Nematicides Dosage

Potatoes, w. wheat, s. barley

W/CS/35 112

Dazomet & Nitrogen

Maize

W/CS/66 117

Effects of Breaks on

Take-all

S. barley, s. oats, s. beans

W/CS/99 119

Effects of Earthworm

Inoculation

Ley

R/CS/130 122

Control of Pathogens

Maize

R/CS/133 125

Chemical Reference

Plots

S. barley

R/CS/140 127

Sclerotinia control

Red and white clover

R/CS/165 131

Sowing Dates & CCN

S. oats

W/CS/174 136

CROP SEQUENCES (continued)

Factors Affecting Yield	Ryegrass, clover, lucerne	R&W/CS/200	145
Effects of Phialophora Inoculation	W. wheat	R/CS/202	162
Species Mixtures and Phialophora	W. wheat	R/CS/203	164
Factors Affecting Eyespot	W. wheat	R/CS/211	166
Seasonal Effects of Take-all	S. beans, w. wheat	R/CS/212	170
Effects of Subsoiling & Deep PK	S. barley	R&W/CS/216	172
Stubble Treatment & Light Leaf Spot	S. barley	R/CS/230	175
Late N	W. wheat	W/CS/239	177
Effects of Mycorrhiza on Response to P	Potatoes	R/CS/240	179
Minimum Cultivation & Deep PK	S. wheat, s. barley	W/CS/245	181
Effects of Subsoiling & Deep PK	S. barley	R/CS/246	186
Organic Matter & Earthworm Inoculation	W. wheat	R/CS/247	188
Direct Drilling & Slug Control	W. wheat	R/CS/248	190
Control of Cephalosporium	W. wheat	R/CS/250	192
Late N	Potatoes	W/CS/253	194
Fungicides, N & Growth Regulator	W. barley	S/CS/1	197

ANNUALS

WINTER WHEAT

Varieties & N	R&W/WW/1	202
Aqueous N & Nitrification Inhibitors	R&W/WW/2	207
Factors Limiting Yield	R/WW/3	210
Growth & Yield on a Contrasted Site	W/WW/3	224
Seed Rates & Divided N Dressings	R/WW/4	229
Nematicides at Sowing	W/WW/4	231
Integrated Pest Control	R/WW/5	234
Weedkillers & Pests	R/WW/6	236
Fungicides & Soil-borne Diseases	R/WW/7	238
Predators & Polythene Barriers	R/WW/8	240
Factors Affecting Yield	S/WW/1	242

SPRING WHEAT

Fungicides & Alternaria	R/WS/1	248
-------------------------	--------	-----

BARLEY

Rhynchosporium Control in a Serially Balanced Design (w. barley)	R/B/1	251
Mildew Sensitivity to Ethirimol (w. & s. barley)	W/B/1	253
Sowing Dates & Pathogen Control (w. barley)	R/B/2	257
Dates of Sowing, N & Growth Regulator (w. barley)	R/B/3	261
Varieties, N & Aphicide (s. barley)	R&W/B/7	266
Physiological Study on Contrasted Sites (s. barley)	R&W/B/8	269
Controlled Drop Application of Tridemorph (s. barley)	R/B/9	272
Sowing Dates & Aphicides (s. barley)	R/B/14	274

SPRING OATS

Varieties & Stem Nematode	R/O/1	276
---------------------------	-------	-----

FIELD BEANS

Fungicides (w. beans)	R/BE/1	278
Control of Sitona (w. beans)	R/BE/2	280
Precision Sowing (s. beans)	R/BE/4	281
Effects of Pest & Pathogen Control (s. beans)	R/BE/5	283
Control of Sitona (s. beans)	R/BE/6	285
Pyrethroids & Sitona (s. beans)	R/BE/7	287
Fungicides (s. beans)	R/BE/9	288
Rates & Times of Applying Entomophthora (s. beans)	R/BE/10	290
Species of Entomophthora (s. beans)	R/BE/11	292
Varieties (s. beans)	R/BE/12	294
Foliar Nutrition (s. beans)	R/BE/13	295
Vicia Cryptic Virus (s. beans)	R/BE/16	297

BROAD BEANS

Vicia Cryptic Virus	R/BB/1	299
---------------------	--------	-----

WINTER OILSEED RAPE

Fungicides	R/RA/1	301
Stubble Treatment & Phoma	R/RA/2	303

PEAS

Control of Pathogens	R&W/PE/1	305
Control of Sitona	R/PE/2	314

FENUGREEK

N & Rhizobium	R/FE/1	316
---------------	--------	-----

PHASEOLUS

Rhizobium Inoculation Study	W/PH/1	318
Rhizobium Strains	W/PH/2	320

MAIZE

Rates & Times of N	R/MA/1	322
Effects of Heterodera avenae	W/MA/1	324

POTATOES

Effects of Spacing & Lodging	R/P/4	326
Varieties & Potato Cyst-nematode	W/P/5	329
Seed Treatment & Tuber Size	R/P/6	331
Varieties & Times of Applying Fungicides	R/P/7	333

GRASS

Liquid Fertiliser & Nitrification Inhibitors	R/G/1	335
--	-------	-----

MISCELLANEOUS DATA

METEOROLOGICAL RECORDS

Rothamsted, Woburn & Saxmundham	E/1	339
---------------------------------	-----	-----

CONVERSION FACTORS