

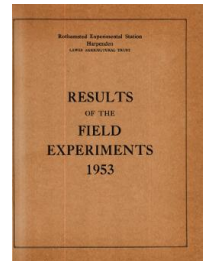
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1953

[Full Table of Content](#)



53/CA/1 Wheat - Eyespot Rotation 5th Year - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CA/1 Wheat - Eyespot Rotation 5th Year - Rothamsted* ; Yields Of The Field Experiments 1953, pp 68 - 69 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Ca/1.1

WHEAT

The effects of various crop sequences on the incidence of Eyespot
(Cercospora herpotrichoides) - Little Knott 1953, the 4th year.

Arrangement of previous treatment crops: 4 longitudinal and 8 cross
strips.

Area of each sub plot, acres: In 3 longitudinal strips - 0.0498; in the
other - 0.0348 acre. Area harvested: 0.0482 and 0.0335 respectively.

Preparatory crops 1950-52:-

1950 North and South, strips of Fallow, Ryegrass, Wheat, Potatoes
1951 East and West, strips of Ryegrass, Wheat, Fallow, Potatoes
1951 East and West, strips $\frac{1}{2}$ width Ryegrass, Wheat, Oats, Beans
Wheat, Oats, Barley, Wheat

giving 32 crop sequences in all.

In 1949 the field carried a crop of wheat heavily infested with Eyespot,
Take-all (Ophiobolus graminis) and weeds.

Basal dressing: $2\frac{1}{2}$ cwt sulphate of ammonia per acre in spring.

Cultivations, etc.: Ploughed: Aug 7, 1952. Seed drilled at $2\frac{3}{4}$
bushels per acre: Oct 29. Sulphate of ammonia applied:
Apr 24, 1953. Harvested: Aug 28. Variety: Squareheads Master 13/4.

53/Ca/1.2

Summary of Results

Previous crop			Grain (at 85% dry matter): cwt per acre		Straw (less cavings and chaff): cwt per acre	
1950	1951	1952	Mean		Mean	
W	W	W	15.5	15.5	54.0	54.0
H	W	W	19.2		50.3	
P	W	W	23.7	19.3	56.8	53.0
F	W	W	15.1		51.8	
W	H	W	24.4		56.4	
W	P	W	24.4	23.5	41.5	48.7
W	F	B	21.5		48.2	
H	H	W	23.9		56.1	
P	H	W	30.7		57.4	
F	H	W	22.6		52.8	
H	P	W	29.9		44.2	
P	P	W	30.5	27.6	45.3	49.7
F	P	W	27.3		41.8	
H	F	B	25.7		48.3	
P	F	B	30.6		51.4	
F	F	B	27.4		50.0	
W	W	O	32.9	32.9	58.8	58.8
H	W	O	36.1		54.6	
P	W	O	38.6	35.8	57.7	57.2
F	W	O	32.6		59.3	
W	H	H	34.6		70.3	
W	F	O	36.7	36.0	57.0	62.1
W	P	Be	36.8		59.1	
H	F	O	38.6		57.9	
F	F	O	37.6		60.3	
P	F	O	39.2		54.8	
F	H	H	31.3		63.1	
F	P	Be	38.8	37.1	58.7	62.2
H	H	H	32.8		63.1	
P	H	H	36.3		73.5	
H	P	Be	39.9		64.2	
P	P	Be	39.0		64.2	
Mean			30.4		55.7	

Mean dry matter %: 82.1

Crop symbols: B - Barley. Be - Beans. F - Fallow. H - Ryegrass.
 O - Oats. P - Potatoes. W - Wheat.