

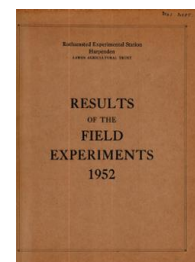
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Yields of the Field Experiments 1952

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52/CA/1 Wheat - Control of Eyespot Rotation - Rothamsted

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Rothamsted Research (1953) *52/CA/1 Wheat - Control of Eyespot Rotation - Rothamsted* ; Yields Of The Field Experiments 1952, pp 68 - 69 - DOI: <https://doi.org/10.23637/ERADOC-1-178>

52/Ca/1.1

WHEAT

Effect of various crop sequences on incidence of Eyespot (*Cercospora herpotrichoides*) - Little Knott 1952, the 3rd preliminary year.

Arrangement of previous treatment crops: 4 longitudinal and 3 cross strips.

Area of each plot: Variable. Area harvested: 0.034-0.050 acre.

Treatments:

Longitudinal strips, crops grown in 1950: Wheat; Ryegrass; Potatoes; fallow.

Cross strips, crops grown in 1951: Wheat; Ryegrass; Potatoes.

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

Cultivations, etc.: Ploughed; Sept 3, 1951. Seed drilled at 3 bushels per acre; Oct 18. Sulphate of ammonia applied: Apr 16, 1952. Harvested: July 28. Variety: Squareheads Master 13/4.

Note. Yields of grain from two of the treatment crops (Oats (S. 147) and Barley (Pioneer)) for the wheat test crop of 1953 were taken and are shown after the wheat figures.

Summary of Results

Crop in 1951	Crop in 1950				Mean
	Wheat	Rye-grass	Potatoes	Fallow	
Wheat, grain: cwt per acre					
Wheat	15.2	18.3	23.1	15.3	18.0
Ryegrass	16.3	28.6	30.5	24.3	24.9
Potatoes	26.5	28.0	30.0	22.7	26.8
Mean	19.3	25.0	27.9	20.8	23.2
Wheat, straw: cwt per acre					
Wheat	47.1	45.1	52.0	38.5	45.7
Ryegrass	44.3	52.5	59.6	61.8	54.6
Potatoes	53.7	54.8	64.8	55.0	57.1
Mean	48.4	50.8	58.8	51.8	52.5

N.B. The crop was damaged when ripe by birds, particularly on the 'Fallow - Potatoes' plot.

52/Ca/1.2

Crop in 1951	Treatment Crops				Mean
	Wheat	Crop in 1950 Rye grass	Potatoes	Fallow	
Oats, grain: cwt per acre					
Wheat	32.5	37.4	38.2	35.2	35.8
Fallow	32.6	35.3	32.8	33.2	33.5
Mean	32.6	36.4	35.5	34.2	34.7
Barley, grain: cwt per acre					
Fallow	28.5	32.5	32.0	24.3	29.3