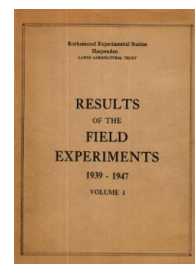


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Yields of the Field Experiments 1939-1947 Volume 1

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A/3 Hoosfield - Wheat After Fallow

Rothamsted Research

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A/3.1

WHEAT AFTER FALLOW - HOOSFIELD

Comparison of a Three-Year Fallow with a One-Year Fallow

The land has been unmanured since 1851. There are two $\frac{1}{2}$ -acre strips, each divided into four parts, and the strips are fallowed in alternate years. In 1932 and after, one quarter of the strip in crop has also been fallowed, different quarters being selected in successive years, thus providing in every year from 1934 onwards a comparison of the effect of a three-year fallow with the effect of a one-year fallow. Half the experiment is under wheat after a one-year fallow, so that continuity with previous results is maintained.

Cropping of strips A and B

C = Crop. F = Fallow.

Year	A1	A2	A3	A4	B1	B2	B3	B4
1932, 40	F	C	C	C	F	F	F	F
1933, 41	F	F	F	F	C	C	F	C
1934, 42	C	F	C	C	F	F	F	F
1935, 43	F	F	F	F	C	C	C	F
1936, 44	C	C	F	C	F	F	F	F
1937, 45	F	F	F	F	F	C	C	C
1938, 46	C	C	C	F	F	F	F	F
1939, 47	F	F	F	F	C	F	C	C

Crop Notes

Crop Year	Date Sown	Date Harvested	Variety
1939	Oct. 24	Aug. 24	Red Standard
1940	Oct. 23	Aug. 8	Squareheads Master
1941	Oct. 28	Aug. 21	Squareheads Master
1942	Oct. 21	Aug. 17	Sherriffs "Stand Up"
1943	Oct. 15	Aug. 3	Squareheads Master
1944	Oct. 8	Aug. 10	Red Standard
1945	Oct. 30	Aug. 11	Red Standard
1946	Oct. 15	Aug. 16	Squareheads Master 13/4
1947	Oct. 18	Aug. 12	Squareheads Master 13/4

A/3.2

Yields: cwt per acre

Year	Total Grain			Mean	Total Straw*			Mean
	After 1 year fallow	After 3 years fallow	After 3 years fallow		After 1 year fallow	After 3 years fallow	After 3 years fallow	
1939	B3 12.5	B4 9.7	B1 11.2	11.1	B3 20.1	B4 16.2	B1 19.6	18.6
1940	A2 11.4	A3 12.2	A4 12.3	12.0	A2 17.9	A3 16.3	A4 18.2	17.5
1941	B4 6.9	B1 7.9	B2 9.3	8.0	B4 10.9	B1 12.0	B2 14.8	12.6
1942	A3 12.4	A4 10.6	A1 14.1	12.4	A3 16.3	A4 16.0	A1 20.0	17.4
1943	B1 14.9	B2 16.5	B3 19.7	17.0	B1 21.6	B2 23.9	B3 29.3	24.9
1944	A4 13.6	A1 17.4	A2 15.0	15.3	A4 18.2	A1 23.9	A2 20.4	20.8
1945	B2 11.2	B3 9.5	B4 9.9	10.2	B2 18.0	B3 16.7	B4 16.6	17.1
1946	A1 11.1	A2 9.9	A3 11.2	10.7	A1 23.1	A2 21.4	A3 26.0	23.5
1947	B3 6.2	B4 5.3	B1 8.9	6.8	B3 8.5	B4 8.1	B1 11.6	9.4

*Includes straw, cavings and chaff.