

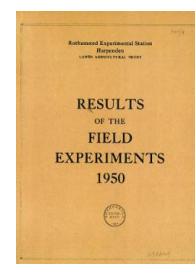
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Yields of the Field Experiments 1950

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50/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1951) *50/A/1 Broadbalk - Wheat* ; Yields Of The Field Experiments 1950, pp 4 - 5 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

50/A/1.1

WHEAT - BROADBALK 1950

The 107th year

For details of treatments etc. see Appendix Y.

Cultivations, etc.:

Cropped sections. Ploughed all except dung plots: Aug 24-29.

Dung applied and ploughed in: Sept 5-6. Springtined:

Oct 15-Nov 1. Artificial fertilizers applied: Nov 3-4. Springtined:

Nov 4 and 8. Harrowed, seed drilled and harrowed twice:

Sept 5-8. Nitrogenous fertilizers applied: Apr 20. Harrowed:

Apr 27. Rolled: May 1. Second dressing of nitrate of soda

applied to plot 16: May 4. Harvested: Aug 8. Variety:

Squareheads Master (13/4).

Fallow section. Ploughed all except dung plots: Aug 24-29.

Ploughed dung plots: Sept 5-6. Springtined: Oct 15-Nov 1,

and again Nov 4 and 8. Ploughed: Dec 12, and again Jan 2-7.

Springtined: Mar 13, Apr 22 and May 13. Thistlebarred:

May 30. Ploughed: Aug 2-3. Springtined: Aug 8.

Springtined, disced and ring rolled: Aug 11.

50/A/1.2

Summary of Results

Section Years after Fallow	Total Grain: cwt. per acre					Total straw ¹ / ₂ cwt per acre				
	IV	V	II	I	Mean	IV	V	II	I	Mean
	1	2	3	4		1	2	3	4	
Plot 2A	24.2	19.7	22.8	19.2	21.5	59.6	53.7	54.3	41.5	52.3
2B	23.4	21.8	24.3	20.7	22.6	61.2	53.1	59.7	60.3	58.6
3	14.8	7.2	7.2	7.5	9.2	28.9	15.0	13.0	15.7	18.2
5	17.8	9.4	8.1	10.1	11.4	34.1	15.2	23.3	22.3	23.7
6	20.8	13.7	9.0	10.2	13.4	45.0	26.1	26.9	21.8	30.0
7	18.7	14.5	17.0	13.1	15.8	47.0	38.5	32.2	27.1	36.2
8	15.4	17.5	17.3	16.8	16.8	45.9	45.1	41.0	37.7	42.4
9	17.7	9.8	13.3	14.4	13.8	37.5	21.8	25.3	30.6	28.8
10	10.6	15.4	15.4	14.7	14.0	27.2	30.0	24.1	26.9	27.0
11	9.3	11.5	13.0	14.4	12.0	39.4	18.7	28.0	30.7	29.2
12	13.2	14.5	16.0	18.7	15.6	38.8	32.8	27.9	33.0	33.1
13	16.5	14.9	14.6	16.6	15.6	49.1	38.0	30.0	34.1	37.8
14	21.3	13.9	15.8	17.7	17.2	47.0	35.8	28.4	32.0	35.8
15	22.0	10.4	15.5	15.4	15.8	49.1	28.7	30.3	30.4	34.6
16	20.1	21.1	19.6	19.0	20.0	47.0	44.6	38.4	37.5	41.9
17	21.2	15.6	15.1	16.0	17.0	40.4	35.6	24.9	29.2	32.5
18	21.6	13.7	7.4	6.0	12.2	35.0	27.6	11.5	12.9	21.8
19	12.7	15.8	14.9	13.9	14.3	41.8	29.8	22.4	22.8	29.2
20	-	-	15.6	17.6	16.6	-	-	27.6	31.2	29.4

* Includes straw, cavings and chaff.