

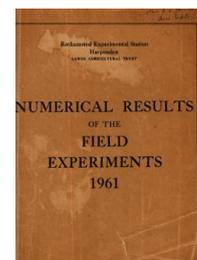
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1961

[Full Table of Content](#)



61/R/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1962) *61/R/A/1 Broadbalk - Wheat* ; Yields Of The Field Experiments 1961, pp 5 - 6 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/A/1.1

WHEAT - BROADBALK 1961

The 118th year

For history, treatments, etc., see "Details of the Classical and Long Term Experiments" 1956.

Cultivations, etc.:

Gropped sections. Ground chalk applied: Oct 1, 1960. Ploughed: Oct 4. Dung applied and ploughed in: Oct 10. Autumn fertilisers applied: Jan 17, 1961. Seed drilled at 3 bushels per acre: Jan 18. Spring fertilisers applied: Apr 17. Second dressing of nitrate of soda applied to plot 16: May 3. Section IA sprayed with MCPA/TBA at 4 pints in 40 gallons per acre: May 5. Combined: Sept 1. Variety: Squarehead's Master 13/4.

Fallow section. (Ib) Ploughed: Oct 4, 1960; June 12, 1961; July 17.

Broadbalk Wilderness. N.

Cultivations, etc.: Shrubs grubbed out: Nov 18 - Dec 6, 1960. Part grazed: Dec 30 - Jan 2, 1961; Apr 12 - May 1; May 23 - 30; June 20 - 23; Aug 10 - 15; Sept 24 - 28. The grass was topped after each grazing except the first and the last.

Summary of Results

Grain (at 85% dry matter): cwt per acre

Section Years after fallow	III	IV	VA	VB	II	IA	Mean
	1	2	unlimed 3	limed 3	4	10	
2A	27.7	21.6	19.0	14.8	17.9	15.8	20.6
2B	28.2	22.1	7.6	17.0	21.8	17.0	20.7
3	15.8	10.1	11.5	11.1	12.7	11.4	12.4
5	20.2	13.5	11.6	10.8	14.0	11.8	14.5
6	24.4	16.1	10.1	11.6	16.3	15.1	16.8
7	22.8	16.4	9.6	11.1	18.6	17.6	17.0
8	19.9	13.4	6.8	11.8	23.7	14.9	16.4
9	19.2	15.3	12.7	11.6	17.2	13.1	15.8
10	13.6	19.1	17.8	19.9	20.8	15.9	18.0
11	16.5	16.4	11.6	10.2	16.5	11.6	14.8
12	16.7	15.5	10.5	9.9	16.4	15.7	14.7
13	21.9	10.7	6.8	8.7	19.5	16.5	15.0
14	20.2	10.9	9.0	10.8	14.2	16.8	13.9
15	29.0	11.9	6.8	11.9	16.0	17.2	16.5
16	23.5	15.8	14.6	15.0	21.3	13.7	18.5
17	17.4	9.6	9.0	7.9	10.0	8.9	11.2
18	20.8	18.4	15.8	14.3	21.0	12.7	18.4
19	14.0	6.5	8.5	11.6	14.6	13.3	11.4
20					13.9	13.0	13.6

Mean dry matter % as harvested: 84.4

61/A/1.2

Straw (at 85% dry matter): cwt per acre

Section Years after fallow	III	IV	VA	VB	II	IA	Mean
	1	2	unlimed 3	limed 3	4	10	
2A	37.4	21.4	25.3	24.3	22.7	21.1	26.1
2B	39.1	26.0	26.6	28.7	29.1	19.6	29.7
3	20.2	8.1	9.5	10.9	10.5	9.6	12.1
5	25.4	13.7	15.8	16.4	18.1	12.7	18.0
6	31.0	19.5	17.5	19.5	19.6	20.7	22.0
7	32.9	24.4	20.6	24.0	26.3	23.4	26.3
8	42.9	29.6	27.8	33.1	37.3	29.3	34.7
9	29.3	21.1	20.7	20.7	19.4	23.2	22.6
10	19.8	21.0	18.8	23.3	21.8	16.9	20.7
11	25.3	20.2	17.8	16.4	18.0	16.7	19.9
12	25.5	23.1	18.6	17.5	20.9	18.9	21.7
13	37.0	20.7	18.0	25.3	29.4	26.6	27.1
14	31.1	21.0	17.3	17.0	19.5	22.8	22.2
15	40.8	17.0	12.8	23.0	23.1	25.0	24.6
16	40.6	29.6	32.9	32.7	32.9	27.1	33.6
17	22.0	9.6	14.6	16.1	12.2	10.3	14.5
18	33.5	26.3	29.4	29.2	28.9	25.2	29.2
19	23.5	10.0	36.3	22.1	17.8	21.5	20.3
20					18.3	19.1	18.5

Mean dry matter % as harvested: 81.5