ROTHAMSTED RESEARCH

Yields of the Field Experiments 1957

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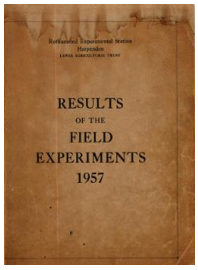

57/R/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1958) *57/R/A/1 Broadbalk - Wheat ;* Yields Of The Field Experiments 1957, pp 4 - 5 **- DOI: https://doi.org/10.23637/ERADOC-1-177**

57/A/1.1

WHEAT - BROADBALK 1957

The 114th year

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

Cultivations, etc.:

Cropped sections. Ground chalk applied: Sept 29, 1956. Dung applied: Oct 4. Ploughed: Sept 28 - Oct 8. Autumn fertilizers applied: Oct 29 - Nov 6. Seed drilled at 2¾ bushels per acre: Nov 7 - 12. Spring fertilizers applied: Apr 29 - 30, 1957. Second dressing of nitrate of soda applied to plot 16: May 16. Section 1A under continuous wheat sprayed with MCPA at 3 pints in 80 gallons per acre: May 7. Combine harvested: Aug 27 - 30. Variety: Squareheads Master 13/4.

Fallow section. (II). Ploughed: Sept 28 - Oct 8, 1956, Apr 3 - 5, 1957 and June 25 - 26.

In 1957 the plots were combine harvested for the first time, a single cut being made down the centre of each plot for the full length. The yields of the remainder of each plot (also taken by the combine) were recorded, but the yields presented in this report are from the central strip only. After combining, as much straw as could be picked up from this strip was weighed.

Broadbalk Wilderness. N.

Cultivations, etc.: Shrubs grubbed out: Jan 1 - 5, 1957. Part mown: Apr 24, May 24, June 6, July 1, July 24, Aug 15, Sept 23.

Summary of Results

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

Section	IB	III	IV	VA	VB	IA	
Years after fallow	1	2	3	Unlimed 4	Limed 4	6	Mean
2A	22.1	18.7	18.0	15.7	17.3	18.1	18.3
2B	23.0	20.1	19.6	17.4	18.4	16.0	19.5
3	14.0	9.4	11.2	10.6	9.8	9.7	10.7
5	16.8	8.1	2.5	10.6	10.6	10.1	8.6
6	19.4	14.4	8.0	13.2	13.9	13.3	13.1
7	24.5	21.6	16.8	14.1	18.4	14.6	18.8
8	36.8	18.3	23.1	19.0	7.1	17.2	20.6
9	28.0	18.8	16.4	14.6	14.6	13.9	18.0
10	22.6	15.3	13.4	15.2	16.2	16.2	16.0
11	24.2	21.0	16.9	11.1	15.3	20.2	18.2
12	19.9	20.0	16.4	11.6	15.7	24.9	17.6
13	29.2	19.5	12.3	10.9	18.7	15.9	17.4
14	25.2	18.4	12.2	13.4	14.9	22.7	16.8
15	24.3	13.7	9.4	12.0	18.2	14.9	14.5
16	27.6	25.6	26.6	23.0	21.3	19.9	24.8
17	15.6	9.2	7.5	8.6	9.9	8.1	9.6
18	20.7	16.2	19.3	19.3	21.0	13.1	18.5
19	20.7	14.8	9.4	13.5	17.9	15.4	14.5
20	26.0	-	-	-	-	14.8	22.4

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

Section Years after fallow	IB 1	III 2	IV 3	VA Unlimed 4	VB Limed 4	IA 6	Mean
2A	38.4	25.5	28.9	30.5	27.0	9.4	28.0
2B	39.6	37.1	36.7	28.0	26.0	20.2	33.5
3	19.4	10.4	13.0	13.1	10.8	10.4	12.7
5	26.4	11.7	14.8	15.7	13.7	12.5	15.4
6	30.3	18.2	16.3	15.6	20.0	15.2	19.0
7	29.8	25.2	17.2	18.0	19.5	10.4	21.0
8	33.7	23.0	28.6	27.9	16.7	27.4	26.0
9	28.5	19.4	17.8	15.1	15.0	13.9	18.7
10	22.4	17.2	13.4	17.0	17.7	13.4	16.7
11	17.8	23.0	17.1	11.7	22.3	15.3	18.6
12	26.8	21.5	18.7	17.4	18.7	21.2	20.5
13	32.8	21.9	14.2	15.4	26.6	14.8	20.7
14	20.3	20.2	13.3	17.0	17.3	27.4	18.0
15	35.5	20.5	14.5	19.0	26.8	11.4	21.0
16	32.6	24.1	23.3	17.6	22.7	17.5	23.5
17	18.6	12.0	11.9	13.1	15.3	9.5	13.3
18	27.2	17.2	22.6	24.3	11.6	3.9	19.3
19	31.5	22.2	16.3	10.9	26.5	22.1	21.0
20	30.5	-	-	-	-	13.5	25.0

Mean dry matter % as harvested: Grain 81.8
Straw 88.9

Note: On plots 2A and 2B the yields shown are from the whole of each plot (20 rows).

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