ROTHAMSTED RESEARCH

Yields of the Field Experiments 1958

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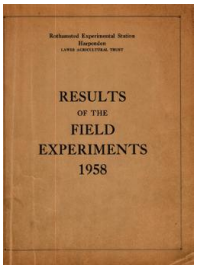

58/R/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1959) *58/R/A/1 Broadbalk - Wheat ;* Yields Of The Field Experiments 1958, pp 4 - 5 **- DOI: https://doi.org/10.23637/ERADOC-1-181**

WHEAT - BROADBALK 1958

The 115th year

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

Cultivations, etc.:

Cropped sections. Dung applied: Sept 4, 1957. Ploughed: Sept 3-17. Ground chalk applied: Sept 9-16. Autumn fertilizers applied, seed drilled at 2¾ bushels per acre: Nov 20. Section 1A under continuous wheat sprayed with CMPP at 6 pints in 40 gallons per acre, spring fertilizers applied: Apr 30, 1958. Second dressing of nitrate of soda applied to plot 16: May 15. Combine harvested: Sept 9. Variety: Squarehead's Master 13/4.

Fallow section. (V) Ploughed: Sept 3-17, 1957, May 7-9, 1958, July 29-31.

On a few plots an estimate was made of the chaff, cavings, dust, etc., not picked up by the baler.

Broadbalk Wilderness. N.

Cultivations, etc.: Shrubs grubbed out: Dec 2-6, 1957. Part mown: Apr 17, 1958, May 1, May 20, June 11, July 16, Aug 8, Oct 1.

Summary of Results

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

Section	II	IB	III	IV	IA	
Years after fallow	1	2	3	4	7	Mean
2A	23.4	21.7	21.1	22.7	24.2	22.4
2B	24.1	23.5	27.6	26.5	27.7	25.8
3	20.5	11.5	11.7	12.8	17.3	14.7
5	14.1	7.5	14.8	18.6	21.0	15.0
6	18.9	13.3	19.8	21.5	22.3	19.3
7	21.8	21.9	23.5	21.6	25.0	22.4
8	24.9	24.7	24.7	23.3	26.0	24.4
9	26.1	20.7	19.2	19.6	24.1	20.7
10	18.5	21.1	18.1	18.9	19.0	18.9
11	14.5	19.5	16.0	17.8	15.9	16.6
12	15.5	21.8	17.4	20.2	21.2	18.5
13	26.1	22.3	21.0	20.5	22.0	22.5
14	16.8	22.0	19.0	20.4	22.7	19.5
15	27.8	19.3	19.7	16.9	20.9	21.1
16	24.9	21.3	22.5	20.9	20.3	22.4
17	27.2	18.4	22.8	22.4	25.8	23.4
18	21.4	10.5	11.8	12.4	11.7	14.3
19	25.3	20.9	17.4	15.5	20.3	19.7
20	21.2	17.3	-	-	21.0	19.7

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

Section	II	IB	III	IV	IA	
Years after fallow	1	2	3	4	7	Mean
2A	42.6	30.8	30.3	29.9	23.1	33.0
2B	54.4	38.6	38.6	38.3	14.0	41.1
3	23.1	14.6	18.0	16.5	42.1	19.7
5	20.4	16.5	16.2	18.7	23.2	18.5
6	34.1	19.6	26.0	29.0	26.8	28.1
7	36.0	41.3	32.2	34.8	20.5	34.4
8	25.5	43.1	37.8	39.5	17.2	34.3
9	46.8	20.5	31.2	29.6	48.8	33.3
10	22.7	26.3	23.3	23.2	23.5	23.7
11	20.2	23.3	19.5	22.2	18.0	21.0
12	22.8	27.7	21.5	28.3	25.3	24.7
13	43.1	35.0	28.8	33.6	29.8	34.8
14	21.1	19.6	23.1	27.7	32.8	23.9
15	43.5	32.0	30.3	34.3	31.0	35.2
16	37.1	34.4	33.2	30.2	24.3	33.0
17	41.4	24.8	31.6	31.4	37.2	33.6
18	33.6	17.5	19.7	20.6	14.8	21.9
19	34.3	31.5	27.7	28.7	24.6	30.0
20	27.9	26.0	-	-	27.2	27.1

Mean dry matter % as harvested: Grain 77.5
Straw 84.6

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