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Yields of the Field Experiments 1948

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48/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1949) 48/A/1 *Broadbalk - Wheat* ; Yields Of The Field Experiments 1948, pp 4 - 5

48/A/1.1

WHEAT - BROADBALK 1948

The 105th year

Treatments as listed in 1938 Report p.p. 115-6, except that since the year 1940-41 rape cake has been replaced by castor bean meal, at the same rate of application.

Cultivations, etc.:

Cropped sections. Dung applied: Sept. 24. Ploughed: Sept 22-Sept. 24. Artificial's applied: Oct. 13-15. Rolled and springtine harrowed: Oct. 22. Tooth harrowed: Oct. 23. Seed drilled: Oct. 24-25. Harrowed in: Oct. 25. Harrowed: Apr. 12. Ring rolled: Apr. 20. Nitrogeous fertilizers applied: Apr. 27-28. Second dressing of nitrate of soda applied to plot 16: May 7. Wild oats hand pulled: various days June 15 - July 30. Harvested: Aug. 19-20. Variety: Squareheads Master (13/4).

Fallow section. Ploughed: Sept. 22-24. Rolled and springtine harrowed: Oct. 22. Tooth harrowed: Oct. 23 and 25. Springtine harrowed: Apr. 12. Thistles cut: Apr. 20. Ploughed: May 25-27. Ring rolled: June 9. Thistles cut: July 1. Ploughed: July 14-15. Rolled and springtine harrowed: Aug. 6.

Section Years after Fallow	Total Grain: cwt. per acre					Total straw: % cwt. per acre				
	II	I	III	IV	Mean	II	I	III	IV	Mean
	1	2	3	4		1	2	3	4	
Plot 2A	32.4	23.5	20.0	23.1	24.8	62.0	47.5	29.5	50.0	47.2
2B	36.0	30.4	23.8	25.3	28.9	68.9	58.5	47.8	51.8	56.8
3	17.3	17.2	10.9	9.8	13.8	31.3	27.5	19.5	19.1	24.5
5	20.9	14.9	9.8	10.4	14.0	38.2	28.5	21.8	22.4	27.7
6	21.6	20.5	14.3	14.5	17.7	42.0	37.3	26.8	31.9	34.5
7	26.1	27.9	20.2	20.4	23.6	47.8	48.3	41.7	44.0	45.4
8	28.4	31.8	25.6	27.5	28.3	55.2	67.5	52.2	52.6	56.9
9	22.2	22.3	15.4	16.6	19.1	40.1	40.8	31.2	29.6	35.4
10	14.2	24.2	17.6	12.8	17.2	32.2	40.8	28.1	24.9	31.5
11	16.3	21.8	17.8	14.7	17.6	28.8	38.1	30.7	26.8	31.1
12	20.2	24.4	19.7	19.7	21.0	33.2	38.6	32.6	34.0	34.6
13	26.2	26.4	18.7	17.7	22.2	43.8	46.2	33.5	35.1	39.6
14	19.4	28.3	20.2	20.6	22.1	34.7	44.7	33.8	37.7	37.7
15	21.6	18.4	16.8	15.0	18.0	41.6	41.5	31.1	33.1	36.8
16	28.1	26.6	22.6	23.1	25.1	49.5	39.9	46.6	46.3	45.6
17	20.5	22.5	17.6	16.6	19.3	42.6	39.2	33.0	34.6	37.4
18	17.3	12.9	8.8	8.2	11.8	30.9	20.7	17.8	17.5	21.7
19	19.6	26.5	18.3	17.8	20.6	38.8	43.6	34.1	36.8	38.3
20	14.0	25.1	-	-	19.6	29.4	45.1	-	-	37.2

48/A/1.2

* Incl des straw, cavings and chaff