

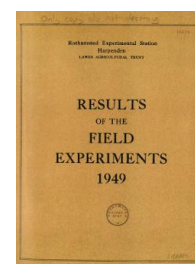
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Yields of the Field Experiments 1949

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49/A/1 Broadbalk - Wheat

49/A/1 *Broadbalk - Wheat*, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 4
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49/A/1.1

WHEAT - BROADBALK 1949

The 106th 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Treatments as listed in 1938 Report, p.p. 115-6, except that since the year 1940-41 rape cake has been replaced by castor bean meal, at the same rate of application.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. Ploughed: Sept 2-16. Dung applied: Sept 11-12
Springtime harrowed: Oct 22. Harrowed: Nov 11. Seed drilled:
Nov 11-13. Artificials applied: Nov 11-15. Harrowed in: Nov 13-
15. Harrowed: Apr 14. Ring rolled: Apr 19. Nitrogenous
fertilizers applied: Apr 27. Weeds hand pulled: May 17-23.
Second dressing of nitrate of soda applied to plot 16: May 23. Wild
oats hand pulled: various days June 27 - July 6 and July 25-27.
Harvested: Aug 5-6. Variety: Squareheads Master (13/4).
Fallow section. Ploughed: Sept 2-16. Springtime harrowed: Oct 22.
Ploughed: Jan 24-31. Springtime harrowed: Mar 22 and Apr 14.
Thistles cut: May 30 and June 27. Ploughed: July 4-5. Harrowed:
July 18. Ring rolled and harrowed: July 20.

49/4/1.2

Total Grain: cwt per acre						Total straw: ^x cwt per acre					
Section	V.	II	I	III	Mean	V	II	I	III	Mean	
Years after											
Fallow	1	2	3	4		1	2	3	4		
Plot 2A	28.0	26.2	18.0	19.5	22.9	71.2	52.6	39.4	38.6	50.4	
2B	32.4	28.8	23.3	14.9	24.8	79.5	56.6	52.1	52.4	60.2	
3	21.6	10.4	9.8	9.9	12.9	34.3	15.5	15.8	16.2	20.4	
5	22.9	7.3	8.5	11.5	12.6	39.0	14.9	18.8	20.3	23.2	
6	27.1	12.3	12.7	12.6	16.2	46.4	22.0	26.1	23.8	29.6	
7	32.2	18.1	14.3	16.1	20.2	55.6	29.9	27.0	29.8	35.6	
8	30.5	24.1	21.5	15.5	22.9	58.3	42.2	43.1	39.4	45.8	
9	29.4	13.8	13.3	13.0	17.4	54.2	23.3	24.5	24.4	31.6	
10	23.9	20.4	14.9	11.4	17.6	38.1	31.1	26.8	25.2	30.3	
11	20.5	20.4	18.8	16.1	19.0	35.3	31.6	34.4	26.5	32.0	
12	24.6	21.1	19.5	16.5	20.4	44.9	34.6	33.1	28.1	35.2	
13	29.4	15.6	17.7	17.6	20.1	53.6	32.3	32.2	32.7	37.7	
14	28.2	22.3	21.9	18.6	22.3	47.1	35.8	31.7	28.7	35.8	
15	26.9	15.2	13.2	16.7	18.0	55.0	33.6	27.3	49.5	41.4	
16	30.9	22.9	17.4	20.9	23.0	58.4	37.5	34.9	33.4	41.0	
17	21.4	7.6	6.0	6.9	10.5	40.2	12.5	11.2	12.8	19.2	
18	30.1	15.5	14.2	23.1	20.7	50.7	26.6	28.6	37.4	35.8	
19	29.6	18.1	17.5	19.1	21.1	51.1	40.1	31.9	35.7	39.7	
20	-	15.7	16.2	-	16.0	-	30.4	22.1	-	26.2	

* Includes straw, cavings and chaff