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Yields of the Field Experiments 1964

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64/R/BK/A/1 Broadbalk - Wheat

Rothamsted Research

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64/A/1.1

WHEAT - BROADBALK 1964

(BK)

The 121st year

For history, treatments, etc. see 'Details' 1962.

All sections except VA are now sprayed annually with weedkillers.

Cultivations, etc.:

CROPPED SECTIONS. Ground chalk applied to section VA (first half of 5 ton dressing): Sept 19, 1963. Ground chalk applied to plot 19, Section IV at 5 tons: Sept 23. Normal annual dressing of ground chalk applied to plots: Sept 23 and Oct 1. Dung applied: Sept 24. Ploughed: Sept 25 - Oct 2. Ground chalk applied to Section VA (remainder of 5 ton dressing): Oct 11. Autumn fertilisers applied: Oct 15. Seed drilled at 3 bushels: Nov 30. Spring fertilisers applied: Apr 13, 1964. Second dressing of nitrate of soda applied to plot 16: Apr 17. All sections except VA sprayed with dicamba/MCPA ('Banlene' at 4 pints in 40 gals): May 7. Combine harvested: Aug 27. Variety: Squarehead's Master 13/4 (Rothamsted seed from Broadbalk).
FALLOW SECTION. (IV) Ploughed: Sept 25 - Oct 2, 1963, May 4, 1964, July 9.

BROADBALK WILDERNESS. Cultivations etc.:

Ungrazed meadow (north): Shrubs grubbed out: Dec 18 - 31, 1963.
Grazed meadow (centre): Grazed by sheep: Apr 28 - May 7, 1964, June 4 - 9, July 8 - 13, Aug 14 - 18. Grass topped: May 8, June 13, July 13, Aug 18, Nov 12.

64/A/1.2

SUMMARY OF RESULTS

GRAIN

Section Years after fallow	VA 1	II 2	IB 3	III 4	VB 6	IA 13	Mean
2A	15.9	30.1	24.3	23.3	24.9	20.1	24.3
2B	22.7	24.9	21.1	20.9	21.6	19.7	22.3
3	17.7	12.9	13.0	13.8	8.2	7.8	12.8
5	14.7	17.0	15.0	18.5	15.1	7.6	16.0
6	16.1	20.8	17.0	21.4	18.3	14.4	19.1
7	15.1	26.1	23.9	23.6	13.6	23.4	22.1
8	18.5	27.9	27.4	27.3	29.5	25.4	26.5
9	17.8	19.2	15.0	16.4	12.3	14.9	16.5
10	17.4	24.4	17.8	19.7	10.6	10.2	18.7
11	27.7	22.1	6.0	18.6	14.4	21.6	18.6
12	9.5	21.3	19.8	20.9	13.0	17.4	18.3
13	9.6	21.0	18.0	20.2	14.9	19.7	18.2
14	10.9	21.2	18.3	18.8	14.4	18.3	17.9
15	19.5	22.1	19.7	21.9	11.3	14.6	19.6
16	17.6	21.2	20.1	21.4	17.9	18.3	20.1
17	20.7	23.1	20.1	22.9	13.8	15.7	20.7
18	6.1	7.5	4.6	6.7	6.6	4.0	6.3
19	19.5	18.8	16.4	17.9	15.0	14.2	17.5
20		20.0	16.8			10.4	17.2

Mean D.M. %: 87.4

64/A/1.3

Section Years after fallow	STRAW						Mean
	VA 1	II 2	IB 3	III 4	VB 6	IA 13	
2A	44.1	32.9	29.9	29.2	31.9	27.0	32.3
2B	41.8	33.9	25.0	32.0	28.3	30.1	32.2
3	22.6	12.6	12.8	15.5	9.4	5.8	13.8
5	34.0	18.8	17.6	20.4	16.6	9.5	20.0
6	38.0	23.5	17.7	23.6	23.1	17.5	24.0
7	48.3	34.7	31.9	36.4	36.6	29.9	36.3
8	42.8	50.4	42.3	45.0	40.8	42.5	45.2
9	36.7	26.0	19.8	21.1	20.0	19.6	23.9
10	29.0	29.9	21.3	22.3	20.0	18.9	24.5
11	31.9	28.4	24.0	21.4	21.5	29.4	25.5
12	40.5	31.0	24.4	23.4	28.6	27.2	28.6
13	32.0	32.6	27.9	33.6	30.3	33.9	32.0
14	35.3	26.3	26.2	24.1	27.9	24.0	26.8
15	32.1	28.2	26.2	25.9	20.9	23.6	26.6
16	53.4	32.9	29.7	28.2	42.3	33.4	34.8
17	42.3	32.4	29.8	36.0	25.6	25.8	33.0
18	33.1	8.0	5.5	6.6	11.6	6.5	10.7
19	37.1	24.7	18.9	24.4	25.0	23.2	25.2
20		27.2	21.3			18.1	23.5

Mean D.M. %: 91.0