

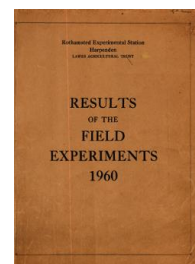
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Yields of the Field Experiments 1960

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60/R/A/1 Broadbalk - Wheat

Rothamsted Research

Rothamsted Research (1961) *60/R/A/1 Broadbalk - Wheat* ; Yields Of The Field Experiments 1960, pp 5 - 6 - DOI: <https://doi.org/10.23637/ERADOC-1-180>

60/A/1.1

WHEAT - BROADBALK 1960

The 117th year

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

Cultivations, etc.:

Cropped sections. Ground chalk applied: Sept 4, 1959. Section IA sprayed with 2,4-D ester at $1\frac{3}{4}$ pints in 40 gallons per acre: Sept 8. Dung applied: Sept 21. Ploughed: Sept 21 - 28. Autumn fertilisers applied: Oct 7. Seed drilled at $2\frac{3}{4}$ bushels per acre: Oct 19. Spring fertilisers applied: Apr 4, 1960. Second dressing of nitrate of soda applied to plot 16; Section IA sprayed with CMPP at 6 pints in 40 gallons per acre: Apr 28. Combined: Aug 31 - Sept 9. Variety: Squarehead's Master $13\frac{1}{4}$.

Fallow section. (III) Ploughed: Sept 21 - 28, 1959; Apr 26, 1960; July 2.

Broadbalk Wilderness. N.

In 1960 grazing of the mown portion of Broadbalk Wilderness was introduced.

Cultivations, etc.: Shrubs grubbed out: Nov 18 - 27, 1959. Part grazed (originally mown): Mar 18 - 21, 1960, Apr 19 - 22, May 17 - 21, June 14 - 18, July 11 - 15, Aug 4 - 8, Sept 2 - 7. The grass was topped after each grazing except the first two.

Summary of Results

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

| Section Years after fallow | IV | VA | VB | II | IB | IA | Mean |
|-------------------------------------|------|--------------|------------|------|------|------|------|
| | 1 | unlimed 2 | limed 2 | 3 | 4 | 9 | |
| 2A | 24.8 | 23.0 | 20.5 | 23.3 | 16.8 | 21.6 | 22.3 |
| 2B | 21.8 | 19.6 | 18.1 | 21.2 | 16.9 | 19.7 | 20.0 |
| 3 | 17.3 | 14.4 | 12.6 | 10.1 | 11.1 | 11.0 | 13.1 |
| 5 | 17.4 | 14.6 | 11.4 | 11.5 | 11.8 | 11.8 | 13.5 |
| 6 | 19.1 | 16.8 | 16.0 | 13.2 | 14.5 | 13.4 | 15.8 |
| 7 | 22.5 | 21.2 | 19.5 | 18.7 | 18.1 | 18.6 | 20.1 |
| 8 | 25.7 | 24.4 | 17.8 | 23.5 | 23.1 | 21.6 | 23.2 |
| 9 | 20.3 | 20.4 | 18.7 | 14.9 | 16.9 | 18.3 | 18.1 |
| 10 | 21.5 | 23.9 | 22.1 | 17.3 | 19.0 | 20.8 | 20.4 |
| 11 | 17.7 | 23.5 | 21.5 | 19.1 | 18.4 | 19.2 | 19.6 |
| 12 | 18.8 | 23.3 | 19.6 | 19.8 | 18.9 | 20.7 | 19.9 |
| 13 | 17.4 | 15.4 | 14.7 | 17.5 | 17.1 | 16.8 | 16.7 |
| 14 | 20.1 | 19.8 | 16.4 | 18.0 | 16.8 | 20.8 | 18.6 |
| 15 | 22.2 | 21.3 | 12.8 | 17.9 | 16.2 | 18.6 | 18.6 |
| 16 | 22.9 | 22.5 | 19.7 | 21.9 | 20.1 | 23.5 | 21.8 |
| 17 | 22.3 | 19.7 | 17.8 | 16.3 | 17.1 | 15.8 | 18.6 |
| 18 | 17.0 | 8.3 | 9.9 | 6.7 | 8.7 | 7.7 | 10.4 |
| 19 | 23.5 | 18.1 | 14.2 | 17.4 | 20.0 | 18.8 | 19.1 |
| 20 | | | | 14.5 | 16.3 | 14.6 | 15.2 |

60/A/1.2

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

| Section Years after fallow | IV | VA | VB | II | IB | IA | Mean |
|-------------------------------------|------|--------------|------------|------|------|------|------|
| | 1 | unlimed 2 | limed 2 | 3 | 4 | 9 | |
| 2A | 45.9 | 41.0 | 37.4 | 34.9 | 29.9 | 25.2 | 37.6 |
| 2B | 41.9 | 41.3 | 37.2 | 37.8 | 37.9 | 18.6 | 38.1 |
| 3 | 23.4 | 18.2 | 14.5 | 13.2 | 14.5 | 11.2 | 16.8 |
| 5 | 28.0 | 20.9 | 19.4 | 19.1 | 20.5 | 14.6 | 21.6 |
| 6 | 35.0 | 26.0 | 29.1 | 20.7 | 25.7 | 16.6 | 26.7 |
| 7 | 37.4 | 34.2 | 32.5 | 29.4 | 29.9 | 23.4 | 32.3 |
| 8 | 37.9 | 35.6 | 35.3 | 33.1 | 38.8 | 29.5 | 35.6 |
| 9 | 35.8 | 27.7 | 27.1 | 22.0 | 28.5 | 26.8 | 28.3 |
| 10 | 25.0 | 26.9 | 27.5 | 19.1 | 23.2 | 23.8 | 23.7 |
| 11 | 28.9 | 33.1 | 25.6 | 22.1 | 24.3 | 22.7 | 26.2 |
| 12 | 29.1 | 35.6 | 28.5 | 24.6 | 24.4 | 27.6 | 28.0 |
| 13 | 32.8 | 27.7 | 29.4 | 29.0 | 20.6 | 24.0 | 28.4 |
| 14 | 31.2 | 28.5 | 26.3 | 19.9 | 19.0 | 21.5 | 24.9 |
| 15 | 33.1 | 32.1 | 24.1 | 24.7 | 29.1 | 27.8 | 28.6 |
| 16 | 42.0 | 37.7 | 36.7 | 27.1 | 26.0 | 27.4 | 33.7 |
| 17 | 35.8 | 30.3 | 30.8 | 23.7 | 26.9 | 18.7 | 28.9 |
| 18 | 29.1 | 22.6 | 24.7 | 11.8 | 17.6 | 8.4 | 20.1 |
| 19 | 40.5 | 32.0 | 29.9 | 26.3 | 30.3 | 24.2 | 31.7 |
| 20 | | | | 22.6 | 24.6 | 18.6 | 22.6 |

Mean dry matter % as harvested: Grain 77.3
Straw 90.0