

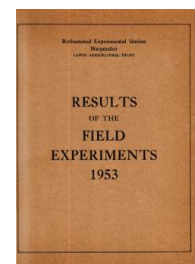
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Yields of the Field Experiments 1953

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53/A/1 Broadbalk - Wheat - Rothamsted

Rothamsted Research

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53/A/1

WHEAT - BROADBALK 1953

The 110th year

For history, details of treatments etc. see "Results of the Field Experiments 1939-47" Vol. I, Section A/1.

Cultivations, etc.:

Cropped sections. Dung applied and all plots ploughed: Sept 3, 1952.
Autumn fertilizers applied: Nov 11. Seed drilled at 3 bushels per acre: Nov 12. Spring fertilizers applied: Apr 23, 1953.
Second dressing of nitrate of soda applied to plot 16: May 13.
Harvested: Aug 25. Variety: Squareheads Master 13/4.

Fallow section. Ploughed: Sept 3, 1952, Mar 22 and June 10, 1953.

Summary of Results

| Section Years after Fallow | Grain: cwt per acre | | | | | Straw: cwt per acre | | | | |
|-------------------------------------|---------------------|------|------|------|------|---------------------|------|------|------|------|
| | II | I | III | IV | Mean | II | I | III | IV | Mean |
| | 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 | |
| 2A | 29.3 | 20.9 | 23.0 | 25.0 | 24.6 | 60.3 | 48.1 | 46.3 | 47.7 | 50.6 |
| 2B | 24.8 | 22.4 | 23.4 | 25.0 | 23.9 | 57.9 | 62.1 | 46.2 | 53.5 | 54.9 |
| 3 | 16.5 | 13.7 | 13.2 | 12.4 | 14.0 | 35.1 | 28.8 | 21.0 | 21.2 | 26.5 |
| 5 | 11.6 | 12.9 | 8.4 | 13.8 | 11.7 | 32.6 | 33.9 | 22.8 | 26.0 | 28.8 |
| 6 | 17.9 | 17.3 | 16.3 | 14.9 | 16.6 | 46.5 | 40.6 | 35.2 | 32.5 | 38.7 |
| 7 | 16.3 | 22.3 | 22.6 | 20.4 | 20.4 | 46.9 | 53.4 | 47.0 | 44.0 | 47.8 |
| 8 | 21.9 | 22.6 | 22.9 | 28.1 | 23.9 | 48.8 | 58.8 | 53.8 | 55.7 | 54.3 |
| 9 | 19.9 | 18.5 | 17.9 | 16.4 | 18.2 | 45.8 | 46.1 | 35.3 | 30.3 | 39.4 |
| 10 | 16.4 | 25.5 | 20.2 | 19.1 | 20.3 | 34.7 | 44.4 | 35.4 | 35.8 | 37.6 |
| 11 | 16.0 | 24.0 | 19.8 | 17.2 | 19.2 | 31.7 | 41.2 | 35.8 | 34.1 | 35.7 |
| 12 | 18.6 | 24.7 | 21.4 | 19.0 | 20.9 | 36.3 | 50.3 | 41.1 | 38.8 | 41.6 |
| 13 | 24.2 | 24.3 | 22.6 | 18.6 | 22.4 | 46.6 | 47.9 | 45.3 | 35.7 | 43.9 |
| 14 | 16.8 | 23.5 | 22.6 | 19.1 | 20.5 | 37.9 | 39.8 | 41.5 | 39.8 | 39.8 |
| 15 | 25.7 | 19.9 | 19.4 | 14.9 | 20.0 | 51.6 | 37.9 | 40.2 | 31.0 | 40.2 |
| 16 | 24.1 | 22.5 | 20.3 | 17.6 | 21.1 | 51.9 | 49.6 | 48.7 | 48.9 | 49.8 |
| 17 | 20.2 | 14.7 | 14.9 | 8.5 | 14.6 | 36.2 | 25.5 | 25.4 | 19.8 | 26.7 |
| 18 | 23.9 | 26.1 | 20.7 | 21.0 | 22.9 | 49.2 | 47.5 | 44.5 | 42.8 | 46.0 |
| 19 | 19.3 | 19.5 | 15.8 | 15.4 | 17.5 | 38.1 | 40.7 | 35.1 | 32.6 | 36.6 |
| 20 | 21.1 | 27.8 | - | - | 24.4 | 35.5 | 49.8 | - | - | 42.6 |